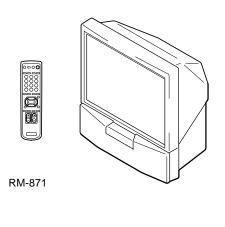
SERVICE MANUAL

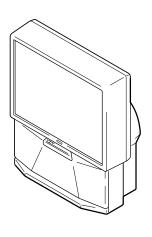
RG-2 CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	
KP-EF41ME3	RM-871	ME	SCC-N72G-A	
KP-EF41MN3	RM-871	GE	SCC-N69G-A	
KP-EF41SN3	RM-871	AUS	SCC-N73G-A	

<u>MODEL</u>	<u>COMMANDER</u>	DEST.	CHASSIS NO.
KP-EF48MN3	RM-871	GE	SCC-N69H-A
KP-EF48SN3	RM-871	NZ	SCC-P55A-A



KP-EF41ME3/EF41MN3/ EF41SN3



KP-EF48MN3/EF48SN3

SPECIFICATIONS

Stereo system **Projection system** 3 picture tubes, 3 lenses, NICAM stereo B/G, I, D/K horizontal in-line system Antenna 75 ohm external antenna terminal Picture tube 7 inch high-brightness **Audio output** (Speaker) monochrome tubes (6.3 raster $15 \text{ W} \times 2$ **Number of terminals** size), with optical coupling and liquid cooling system Video Input: 4, Output: 1, High performance, large-diameter **Projection lenses** phono jacks, 1 Vp-p, 75 ohms hybrid lens F1.0 Audio Input: 5, Output: 1, VARIABLE output: 1, Screen size 41 inches (KP-EF41) phono jacks, 500 mVrms 48 inches (KP-EF48) **Television system** B/G, I, D/K, M S video Input: 2, Color system PAL, PAL 60, SECAM, Y:1 Vp-p, 75 ohms, unbalanced, NTSC4.43, NTSC3.58 sync negative, Channel coverage C:0.286 Vp-p, 75 ohms B/G Component video Input: 1, phono jacks VHF: E2 to E12 UHF: E21 to E69 Y:1.0 Vp-p, 75 ohms, sync negative CATV: S01 to S03, S1 to S41 C_B/B-Y: 0.7 Vp-p, 75 ohms C_R/R-Y: 0.7 Vp-p, 75 ohms UHF: B21 to B68 Audio: 500 mVrms CATV: S01 to S03, S1 to S41 Headphone Output: 1,minijack D/K Power requirement 110-240 V AC, 50/60 Hz **Power consumption** VHF: C1 to C12, R1 to R12 UHF: C13 to C57, R21 to R60 Dimensions (w/h/d) $948 \times 992 \times 511 \text{ mm (KP-EF41)}$ CATV: Z1 to Z39, S01 to S03, $1,091 \times 1,336 \times 575 \text{ mm (KP-EF48)}$ S1 to S41 Mass Approx. 43 kg (KP-EF41) Approx. 68 kg (KP-EF48) VHF: A2 to A13 **Supplied accessories** Remote commander RM-871 (1) UHF: A14 to A79 Size R6 (AA) battery (2) CATV: A-8 to A-2, A to W+4, Optional accessories AV rack SU-EF41 (KP-EF41), W+6 to W+84 SU-EF4853 (KP-EF48)

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

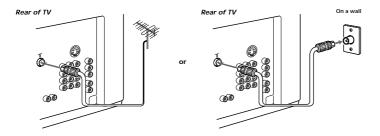
SECTION1 GENERAL

Getting Started

Connections

Connecting a VHF antenna or a combination VHF/UHF antenna - 75-ohm coaxial cable (round)

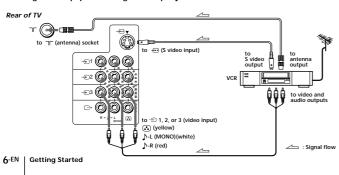
Attach an optional IEC antenna connector to the 75-ohm coaxial cable. Plug the connector into the \(\pi \) (antenna) socket at the rear of the TV.



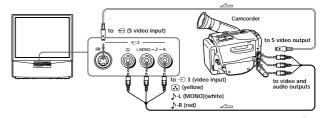
Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

Connecting video equipment using video input jacks



Front of TV



When connecting a monaural VCR

Connect the yellow plug to (video input) and the black plug to J-L (MONO) (audio input).

When connecting video game equipment

Connect video game equipment to the = 3 (video input) jacks at the front or the rear of your TV.

Preset the signal output from the VCR to the program position 0.

When connecting video equipment to the -3 (video input) jacks at the front and the rear Do not connect video equipment to the -3 (video input) jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen

If both S Video and video signals are input simultaneously

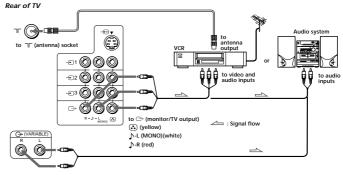
The S video input signal is selected. To view a video input signal, disconnect the - (S video) connection.

Note on the video input

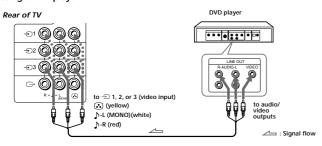
When no signal is input, the screen becomes blue.

Connecting audio/video equipment using ⊕ (monitor/TV output) jacks

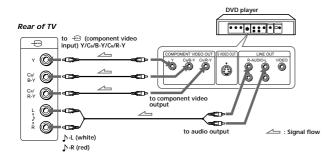
When the audio cable is connected to the ⊖ (VARIABLE) jacks, you can adjust the volume with ∠ +/-.



Connecting a DVD player



Connecting a DVD player with component video output connecors



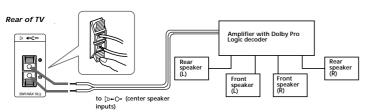
Notes

- · Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness (SHARP) in the VIDEO ADJUST menu. (See page 20.)
- · Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted

Connecting an amplifier with Dolby* Pro Logic decoder

Even though you use an amplifier with Dolby Pro Logic decoder instead of the projection TV's audio system, you can still use the projection TV's center speaker.

* Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol DD and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

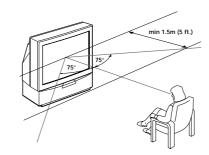


Installing the projection TV

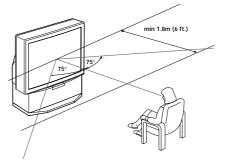
For the best picture quality, install the projection TV within the areas shown below.

Optimum viewing area (Horizontal)

KP-EF41



KP-EF48

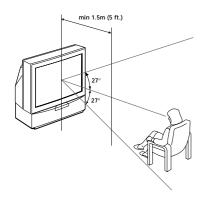


8-EN | Getting Started

Getting Started | 9-EN

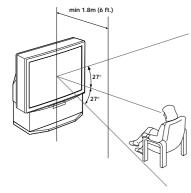
Optimum viewing area (Vertical)

KP-EF41





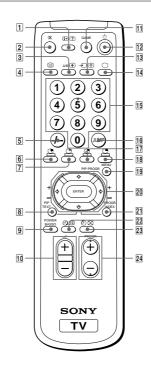
0



Getting to know the remote commander

Names/symbols of buttons on the remote commander are indicated in different colors to represent the available functions.

Label color	Button function
White	For general TV operations.
Green	For Teletext operations.
Yellow	For PIP and PROGRAM INDEX operations.



Symbol	Name	Refer to page
1 (:	On-screen display button	19
?	Teletext: Reveal button	29
2 🕸	Mute on/off button	19
3 A/B	Sound select button	24
(Teletext: Enlarge button	29
4 =	Teletext button	28
5 ÷	Double-digit entering button	18
6 🕒	Input select for PIP button	26
7 🖱	PIP freezing button	27
8 PIP TEXT	PIP TEXT button	30
9 POWER BASSO	POWER BASSO button	22
10 🗠+/-	Volume control button	18
11 GAME	GAME button	31
12 ⁽¹⁾	TV standby button	18
13 →	Input mode selector	19
•	Hold button	28
14 🔾	TV power on/TV mode select	or 19
1 → 1,2,3,4,5, 6,7,8,9,0	Number buttons	18
16 JUMP	JUMP button	19
17 🗗	Swapping picture button	27
18 🕒	PIP display button	26
19 MENU	MENU button	12
20 4/→/→/←	Cursor control key	12
ENTER	Enter button	12
21 PROGR	PROGR INDEX button	25
INDEX		
22 🕘	Wake up button (not in use for	r your model)
(i)	Teletext: INDEX button	28
23 🖲	Sleep timer button	19
∞	Teletext: Text clear button	29
24 PROGR +/-	Program selectors	18

Getting back to the previous menu (except for AUTO PROGRAM)

Press ★ or ★ to move the cursor (▶) to the first line (,) of each menu, and press ENTER.

Cancelling the menu screen

Press MENU.

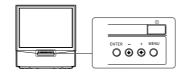
Notes (except for AUTO PROGRAM)

- . When a menu is selected after pressing ENTER, the color of both the menu and the menu symbol change and the cursor (▶) appears beside the first item of the menu.
- When an item on the menu is selected after pressing ENTER, the color of the item changes.
- menus (except for the A/V CONTROL and PRESET menus) for the basic operations of the menu.
- If more than approximately 60 seconds elapse after you press a button, the menu screen disappears automatically.

Changing the menu language

If you prefer Chinese (for MN3 model)/Arabic (for ME3 model) to English, you can change the menu language. You can use buttons on both the remote commander and the TV.





1 Press ① to turn on the TV.



2 Press MENU.





3 Press ★ or ★ to move the cursor (►) to the PRESET menu (45), and press ENTER.



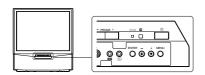


- 4 Make sure the cursor (▶) appears beside LANGUAGE/ 语言 (اللغة), and press ENTER.
- 5 Press ♠/♦/♦ to select 中文 (عوسي), and press All of the menus change to Chinese (Arabic).
- 6 Press MENU to return to the normal screen.



Presetting channels automatically

You can preset up to 100 TV channels in numerical sequence from the program position 1. You can preset channels automatically using the button on the TV or the menu



1 Press ① to turn on the TV.



2 Press **■**.

 ∞



The TV starts scanning and presetting channels automatically. When all of the receivable channels are stored, the AUTO PROGRAM menu disappears and the first nine preset TV programs appear on the nine sub screens. The nine sub screens disappear after being displayed for several seconds.

. If you want to return to the normal screen while the nine sub screens are being displayed, you can press PROGR INDEX on

To preset channels automatically using the menu

- 1 Press MENU.
- 2 Press ★ or ★ to move the cursor (▶) to the PRESET menu (些), and press ENTER.
- 3 Press ★ or ★ to move the cursor (►) to AUTO PROGRAM, and press ENTER.

Presetting channels manually

To change the program position for a channel or to receive a channel with a weak signal which you cannot receive by automatic presetting, preset the channel



1 Press MENU.





2 Press ★ or ★ to move the cursor (►) to the PRESET menu (營), and press ENTER.



- 3 Select your local TV system.
- (1) Press ★ or ★ to move the cursor (►) to TV SYS, and
- (2) Press ♠/♦/♦ until your local TV system appears on the menu, and press ENTER.

4 Press ★ or ★ to move the cursor (▶) to MANUAL PROGRAM, and press ENTER.





- 5 Select the program position to which you want to preset a channel.
- (1) Make sure the cursor (▶) appears beside PR, and press ENTER.
- (2) Press ♠/♦/♦/ wntil the program position you want appears on the menu, and press ENTER.
- 6 Select the desired channel.
- (1) Press ♠ or ♥ to move the cursor (▶) to VHF LOW (VHF Hi or UHF), and press ENTER.
- (2) Press ♠/♦/♦/ until the desired channel picture appears on the TV screen, and press ENTER.
- 7 Press MENU to return to the normal screen.

If the TV system is not properly selected

The picture color may be poor and/or the sound may be noisy. In this case, select the appropriate TV system.

- 1 Press PROGR +/- or the number buttons to select the program position.
- 2 Display the PRESET menu.
- 3 Press ♠ or ♦ to move the cursor (▶) to TV SYS, and
- 4 Press ♠/♦/♦/ until the appropriate TV system appears, and press ENTER.

- . The TV SYS (TV system), the ATT (attenuator), and the VOLUME (volume offset) settings are memorized for each program position.
- If you do not know your local TV system, consult your nearest Sony dealer or authorized service center.

Attenuating the signal for individual programs

If the TV signal is too strong, the picture may be distorted. You can reduce the picture distortion by attenuating the signal individually.

1 Display the PRESET menu.





2 Press ★ or ★ to move the cursor (►) to MANUAL PROGRAM, and press ENTER.





3 Press ★ or ★ to move the cursor (►) to ATT, and press ENTER.





4 Press ♠/♦/♦/♦ to select ON, and press ENTER.

Disabling program positions

By disabling unused or unwanted program positions. you can skip those positions when you press PROGR +/-.

1 Press MENU.

9





2 Press ★ or ★ to move the cursor (►) to the PRESET menu (答), and press ENTER.





- 3 Press ★ or ★ to move the cursor (►) to SKIP and press ENTER.
- 4 Press ★ or ▼ until the unused or unwanted program position appears on the menu, and press ENTER.
- 5 Press +/+/+/+ to select ON, and press ENTER.
- 6 To disable other program positions, repeat steps 4 and 5.
- 7 Press MENU to return to the normal screen.

To cancel the skip setting

- 1 Display the PRESET menu.
- 2 Press ★ or ▼ to move the cursor (►) to SKIP, and press ENTER.
- Press ♠ or ♥ until the program position you want to cancel the skip setting appears, and press ENTER.
- 4 Press ★/→/★/◆ to select OFF, and press ENTER.

Presetting the volume level for individual programs

If the volume of the selected program is louder than that of other programs, set the volume level.

1 Press MENU.





2 Press ★ or ★ to move the cursor (►) to the PRESET menu (些), and press ENTER.





3 Press ★ or ★ to move the cursor (►) to MANUAL PROGRAM, and press ENTER.





- 4 Press ★ or ★ to move the cursor (►) to VOLUME, and press ENTER.
- 5 Press */*/*/ to set the level, and press

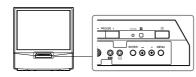
The level can be set as $0, -1, -2, \dots -6$ (minimum).

Adjusting the convergence (CONVERGENCE)

Before you use the projection TV, adjust convergence. The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.

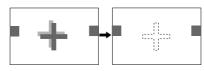
After 20-30 minutes of turning on the power, adjust convergence.

Adjusting the convergence automatically



Press on the TV.

The auto convergence function works for about 30 seconds



Adjusting the convergence manually

When the auto convergence function does not work correctly with $\textcircled{\scriptsize 1}$, adjust convergence by selecting CONVERGENCE of the FEATURES menu.

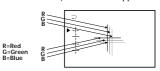
- 1 Press MENU.
- 2 Press ★ or ★ to move the cursor (►) to the FEATURES menu (3), and press ENTER.



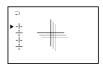


3 Press ★ or ★ to move the cursor (►) to CONVERGENCE and press ENTER.

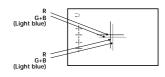
The CONVERGENCE adjustment screen appears.



4 Press ★ or ★ to move the cursor (▶) to the symbol showing the line you want to adjust, and press ENTER.



- -|- : Red vertical line (left/right adjustment)
- + : Red horizontal line (up/down adjustment)
- -|- : Blue vertical line (left/right adjustment)
- ÷ : Blue horizontal line (up/down adjustment)
- 5 Press ★ or ▼ to move the line until it converges with the center green line, and press ENTER.



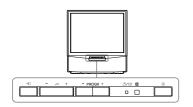
To move up/right, press ♠. To move down/left, press ◆.

6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.



7 Press MENU to return to the normal screen.

Watching the TV



1 Press ① to turn on the TV.



When the TV is turned on in the standby mode, the ☼/☼ indicator on the TV lights up. To turn on the TV completely, press $\overset{\circ}{\cup}$ on the remote commander or the TV.

2 Select the TV program you want to watch.

To select a program position directly Press the number button.



To select a two-digit program position, press "÷ " before the number buttons.

For example: to select program position 25, press "+ ," then "2" and "5."



To scan through program positions

Press PROGR +/- on the remote commander or the TV until the program position you want appears.



3 Press ∠ +/- on the remote commander or the TV to adjust the volume.



Turning off the TV

To turn off the TV temporarily

Press \circlearrowleft on the remote commander. The $\circlearrowleft/\circlearrowleft$ indicator lights up.



To turn off the TV completely

Press ① on the TV.



Watching the video input

Press ⊕ ⊕ on the remote commander or ⊕ on





To watch TV

Press □ on the remote commander or ⊕ on the TV.



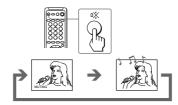
Switching back quickly to the previous channel

Press JUMP.



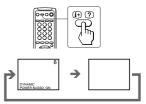
Muting the sound

Press 🕸.



Displaying the on-screen information

Press (+?).



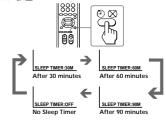
Note

· The on-screen display shows the program position or the video mode, the picture and sound information. The on-screen display for the picture and sound information disappears after being displayed for approximately three seconds.

Setting the Sleep Timer

You can set the TV to turn off automatically after the period of time you want.

Press ⊕ Ø.



To cancel the Sleep Timer, press ⊕ ⊠ repeatedly until "SLEEP TIMER: OFF" appears, or turn the TV off.

18-EN | Operations



1 Press MENU.





- 2 Make sure the cursor (▶) appears in the A/V CONTROL menu (4), and press ENTER.
- 3 Press ★ or ★ to move the cursor (►) to DYNAMIC, STANDARD, SOFT, or PERSONAL, and press ENTER.



Select	То
DYNAMIC	Receive high contrast picture with powerful sound.
STANDARD	Receive normal contrast picture with medium listening sound.
SOFT	Receive mild picture with soft sound.
PERSONAL	Receive the last picture and sound settings that are adjusted using VIDEO ADJUST and AUDIO ADJUST.

4 Press MENU to return to the normal screen.



Adjusting the picture settings (VIDEO ADJUST)

You can adjust the picture settings to suit your taste with the VIDEO ADJUST option. The adjusted settings are stored in the PERSONAL option.

1 Press MENU.





- 2 Make sure the cursor (▶) appears in the A/V CONTROL menu (E), and press ENTER.
- 3 Press ★ or ★ to move the cursor (▶) to VIDEO ADJUST, and press ENTER.





- 4 Press ★ or ★ to move the cursor (▶) to the item you want to adjust, and press ENTER.
- 5 Press 4/→/4/← to adjust the selected item, and press ENTER.

For detrils on each item, see "Description of adjustable

- 6 To adjust other items, repeat steps 4 and 5.
- 7 Press MENU to return to the normal screen.

Description of adjustable items

· · · · · · · · · · · · · · · · · · ·		
Item	Press ♦/ ◆	Press 4/◆
PICTURE	Decrease picture contrast.	Increase picture contrast.
COLOR	Decrease color intensity.	Increase color intensity.
BRIGHT	Darken the picture.	Brighten the picture.
HUE	Make picture tones become reddish.	Make picture tones become greenish.
SHARP	Soften the picture.	Sharpen the picture.
VM	Decrease emphasis on picture edges.	Increase emphasis on picture edges.

· You can adjust HUE for the NTSC color system only. (Note that you can't adjust the NTSC color system of the component

If the picture is slightly snowy

You may try to improve the picture by changing the VM setting as described below:

- 1 Display the VIDEO ADJUST menu.
- 2 Press ★ or ▼ to move the cursor (►) to VM, and
- 3 Press ♠/♦/♦/ to select LOW, and press ENTER.

If the picture color is abnormal when receiving programs through the T (antenna) terminal Change the color system or the TV system from the PRESET menu as described below until the color

1 Display the PRESET menu.

becomes normal

- 2 Press ★ or ▼ to move the cursor (►) to COL SYS or TV SYS, and press ENTER.
- 3 Press ★/→/★/ to change the color system or the TV system until the color becomes normal, and press ENTER.

· Normally set the color system (COL SYS) to AUTO.

Adjusting the sound settings (AUDIO ADJUST)

You can adjust the sound settings to suit your taste with the AUDIO ADJUST option. The adjusted settings are stored in the PERSONAL option.

1 Press MENU.





- 2 Make sure the cursor (▶) appears in the A/V CONTROL menu (1), and press ENTER.
- 3 Press ★ or ♦ to move the cursor (▶) to AUDIO ADJUST, and press ENTER.



4 Press ★ or ★ to move the cursor (►) to the item you want to adjust, and press ENTER.

5 Press 4/→/+/+ to adjust the selected item, and press ENTER.

For details on each item, see "Description of adjustable items" below.

- 6 To adjust other items, repeat steps 4 and 5.
- 7 Press MENU to return to the normal screen.

Description of adjustable items

Item	Press ♦/◆	Press 4 / →
BASS	Decrease the bass sound.	Increase the bass sound.
TREBLE	Decrease the treble sound.	Increase the treble sound.
BALANCE	Increase the left speaker's volume	Increase the right speaker's volume.

If the sound is distorted or noisy when receiving programs through the ¬□ (antenna)

Change the TV system from the PRESET menu as described below until the sound becomes normal.

- 1 Display the PRESET menu.
- 2 Press ★ or ★ to move the cursor (►) to TV SYS, and press ENTER.
- 3 Press ♠/♦/♦/♦ to change the TV system until the sound becomes normal, and press ENTER.

Setting the speaker

If you connect a Dolby Pro Logic-compatible amplifier to the center speaker terminals, you can use the projection TV speakers as center speakers.

1 Press MENU.





- 2 Make sure the cursor (>) appears in the A/V CONTROL menu (), and press ENTER.
- 3 Press ★ or ★ to move the cursor (►) to AUDIO ADJUST, and press ENTER.





4 Press ★ or ▼ to move the cursor (▶) to SPEAKER, and press ENTER.





5 Press */*/* to set the speaker, and press

To use the projection TV speakers as center speakers, select CENTER IN.

To listen to the sound from a projection TV, select MAIN.

Listening with dynamic sound (POWER BASSO)

The POWER BASSO sound mode enables you to enjoy a high quality sound with the best combination of all types of sound. It reproduces dynamic and clear sounds and emphasizes low and high audio effects as

Press POWER BASSO





The sound mode of the TV program or the video input changes to the POWER BASSO sound.

To cancel the POWER BASSO mode Press POWER BASSO again.

Note

· You can select any of the surround sound modes (HYPER SURROUND) to cancel the POWER BASSO sound.

Listening to the surround sound (HYPER SURROUND)

The HYPER SURROUND feature enables you to enjoy a surround sound effect that is like being in a concert hall or movie theater when receiving stereo signals.



1 Press MENU





2 Press ★ or ★ to move the cursor (►) to the FEATURES menu (49), and press ENTER.





- 3 Press ★ or ♦ to move the cursor (▶) to HYPER SURROUND, and press ENTER.
- 4 Press ♦/♦/₹/♦ to select MOVIE, MUSIC. NEWS(BBE), HALL(SRS) or SPACE, and press



For details on each item, see "Description of adjustable items" below.

5 Press MENU to return to the normal screen.

Description of adjustable items

	Select	То
	MOVIE	Listen to a sound that emphasizes the bass audio effect of movie theater.
	MUSIC	Listen to a dynamic and clear sound that emphasizes the low and high audio sounds.
	NEWS(BBE)	Listen to a sound that emphasizes voice.
	HALL(SRS)	Listen to a sound that spreads out over a large area, giving the feeling of being at a concert hall.
	SPACE	Listen to a monaural sound that gives a stereo-like effect.
	OFF	Turn off the surround sound.

- · The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.
- The (●)® SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4.748.669. The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

6 Press MENU to return to the normal screen.

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Selecting a stereo or bilingual program

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

Press A/B (repeatedly until you receive the sound you want.

The on-screen display changes corresponding to the selected sound and the U/O indicator also lights up.





When receiving a NICAM program

Broadcasting	On-screen display (Selected sound)
NICAM stereo	NICAM MONO (Stereo sound) (Regular sound)
NICAM bilingual	NICAM → NICAM → MONO — MAIN SUB (Regular sound) (Main sound) (Sub sound)
NICAM monaural	NICAM MONO MAIN (Regular sound)

When receiving an A2 (German) program

Broadcasting	On-screen display (Selected sound)
A2 (German) stereo	MONO STEREO (Regular sound) (Stereo sound)
A2 (German) bilingual	MAIN SUB (Sub sound)

Receiving area for NICAM and A2 (German) programs

p 9	
System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

Notes

- · If the signal is very weak, the sound becomes monaural.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO." The sound becomes monaural, but the noise is

If the sound is distorted or noisy when receiving a monaural program through the ™ (antenna) terminal

Press A/B⊕ repeatedly until "MONO" appears on the screen while the $\circlearrowleft/ \circlearrowleft$ indicator is off.

To cancel the monaural sound setting, press A/B€ again until "AUTO" appears on the screen.



- . The "MONO" or "AUTO" setting memorized for each
- · You cannot receive stereo broadcast signal when the TV is in the "MONO" setting.

Viewing multiple programs at the same time (PROGRAM INDEX)

The PROGRAM INDEX feature allows you to view all the preset TV programs and the video inputs on the nine sub screens at the same time.

You can view multiple programs on the nine sub screens using the button on the remote commander or

Press PROGR INDEX



The first nine preset programs appear on the nine sub

>>> 1	2	3	
4	5	6	
7	8	9	

To view the next or the previous nine preset programs on the nine sub screens

Press PROGR +/- on the remote commander or the TV.

>>> 10	11	12		>>> 1	2	3
V1	V2	V3	\longleftrightarrow	4	5	6
1	2	3		7	8	9

To select the program you want to watch directly after viewing multiple programs

Press the number buttons, € , or press program you want to watch, and press ENTER.

To restore the normal screen

Press PROGR INDEX again or .

You can also select PROGR INDEX or PIP: OFF from the PIP menu, and press ENTER to restore the normal

To view multiple programs on the nine sub screens using the menu

1 Press MENU.





2 Press ★ or ★ to move the cursor (►) to the PIP menu (), and press ENTER.



3 Make sure the cursor (▶) appears beside PROGR INDEX, and press ENTER.

Notes

- · You can change the position of the nine sub screens using the PIP menu (see "Changing the position of the PIP screen" on
- You can hear the sound of the main screen when viewing multiple programs on the nine sub screens.
- . You can use the number buttons on the remote commander to change the program position of the main screen when viewing multiple programs on the nine sub screens.

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Displaying frameby-frame pictures (STROBE)

You can watch a slow motion movement of the main screen picture which is displayed frame-by-frame on the nine sub screens.



1 Press MENU.





2 Press ★ or ★ to move the cursor (►) to the PIP menu (), and press ENTER.



3 Press ★ or ★ to move the cursor (►) to STROBE, and press ENTER.



To restore the normal screen

Select STROBE again or PIP: OFF from the PIP menu, and press ENTER.

You can also press □, ⇒ ⊕, PROGR +/-, or □ to restore the normal screen.

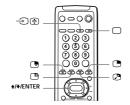
Notes

- . You can change the position of the nine sub screens using the PIP menu (see "Changing the position of the PIP screen" on
- You can hear the normal sound when using the STROBE

26-EN | Operations

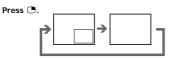
Using the Picture-in-Picture (PIP) features

With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.



Displaying the PIP screen

You can display the PIP screen using the button on the remote commander or the menu.



Selecting a TV program or video input in the

To select a TV program, press ♠ or ♣, and press

To select a video input, press 🕒 on the remote commander or € on the TV.

To display the PIP screen using the menu

- 1 Press MENU.
- 2 Press ★ or ★ to move the cursor (►) to the PIP menu (), and press ENTER.
- 3 Press ★ or ★ to move the cursor (►) to PIP, and press ENTER.
- 4 Press */*/*/ to select ON, and press ENTER.
- 5 Press MENU to return to the normal screen.

Changing the position of the PIP screen



1 Press MENU.

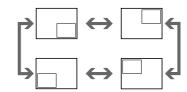




2 Press ★ or ★ to move the cursor (►) to the PIP menu (), and press ENTER.



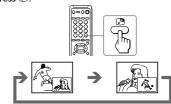
- 3 Press ★ or ★ to move the cursor (►) to POSITION, and press ENTER.
- 4 Press ★/→/₹/← to select the position you want, and press ENTER.



5 Press MENU to return to the normal screen.

Swapping pictures between the main and PIP screens

Press 🙉.



Freezing the PIP screen

Press 🖱.

The PIP screen will freeze.



To restore the normal screen

Press 🖱 again.

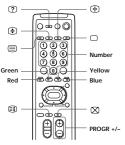
- When you display a video input on the PIP screen at any speed other than the normal one, the picture may be disrupted, depending on the VCR.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the TV.

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Viewing Teletext

TV stations broadcast an information service called Teletext via a TV channel.

Teletext service allows you to receive various information such as weather forecasts or news at any time.



Displaying Teletext

- 1 Select a TV channel that carries the Teletext broadcast you want to watch.
- 2 Press
 to display the Teletext.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.

To turn off Teletext

Press □.

Superimposing a Teletext page on the TV picture

Press ■.

Each time you press , the screen changes as follows:

→ Teletext → Teletext and TV → TV -

Checking the contents of a Teletext service (INDEX)

Press (i) to display an overview of the Teletext contents and page numbers.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcasted, the colored menus appear at the bottom of the screen. The colors of the menus correspond to the red (), green (), yellow (), and blue () colored-coded buttons on the remote commander.

To access a FASTEXT menu

Press the color-coded button on the remote commander that corresponds to the colored menu which appears at the bottom of the screen. The menu page appears on the screen after several seconds.

Selecting a Teletext page

Press the number buttons to enter the threedigit page number of the Teletext page you want.

If you make a mistake, re-enter the correct page number.

To access the next or previous page Press PROGR +/-.

You can also access a Teletext page of any page numbers that appear in the colored column at the bottom of the screen using the corresponding colorcoded button on the remote commander.

Holding a Teletext page (HOLD)

A Teletext page may consist of several subpages. You can stop the page scrolling in order to read the text at your own pace.

Press 🕏.

The HOLD symbol "⊕" appears at the top left corner

To resume normal Teletext operation Press 🔁 again or 🗐.

Revealing concealed information (REVEAL)

The REVEAL option lets you disclose concealed information, such as an answer to a quiz that you find on some of the Teletext pages.

Press ?.

To conceal the information

Press (?) again.

Enlarging the Teletext display (ENLARGE)

Press 🕏.

Each time you press 🕏, the Teletext display changes as

→ Enlarge upper half → Enlarge lower half¬ Normal size +

Waiting for a Teletext page while watching a TV program (TEXT CLEAR)

- 1 Enter the page number of the Teletext that you want to refer to, then press (X).
- 2 When the page number is displayed on the screen, press
 to turn on the Teletext.

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Displaying Teletext on the PIP screen (PIP TEXT)

The PIP TEXT feature enables you to display a Teletext page on the PIP screen while watching a TV program.

You can display the Teletext on the PIP screen using the button on the remote commander or the menu.

- 1 Select a TV channel that carries the Teletext broadcast you want to watch.
- 2 Press PIP TEXT.



To restore the normal screen

Press PIP TEXT again, or press \bigcirc , \bigcirc , or PROGR +/-.

You can also select PIP: OFF from the PIP menu, and press ENTER to restore the normal screen.

To display a Teletext page on the PIP screen using the menu



1 Press MENU.





2 Press ♠ or ♦ to move the cursor (▶) to the PIP menu (□), and press ENTER.



- 3 Press ★ or ★ to move the cursor (►) to PIP TEXT, and press ENTER.
- 4 Press */*/*/← to select the Teletext page you want to watch.

Notes

- You can also use the color-coded buttons (see page 28) while displaying a Teletext page on the PIP screen.
- To select a Teletext page on the PIP screen, press ★/→/◆/◆
 once only.

If you press ♠/♠/♠/♠ continuously, the Teletext page numbers also change continuously at a fast speed.

You can change the position of a Teletext page on the PIP screen using the PIP menu (see "Changing the position of the PIP screen" on page 27).

Viewing a video game screen (GAME MODE)

The GAME MODE feature optimizes the video game screen by giving a soft picture and dynamic sound effect

You can display a video game screen using the button on the remote commander or the menu.

Press GAME.



The picture and sound change to the mode that is suitable for video games.

To view a video game screen using the menu

1 Press MENU.





2 Press ♠ or ♦ to move the cursor (▶) to the FEATURES menu (④), and press ENTER.



3 Make sure the cursor (►) appears beside GAME MODE, and press ENTER.

To restore the normal picture and sound modes

Press \bigcirc , \bigcirc $\textcircled{\oplus}$, or PROGR +/-.

Notes

- If you press the GAME button when the TV is in the standby mode, the TV turns on automatically and the picture and sound change to the mode that is suitable for video games.
- To display a video game screen, connect the video game equipment to the ⊕ 3 (video input) jacks at the front or the rear of the TV.

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Customizing the TV

Using the AV OUT (advanced rec-out) terminal

You can select the output signal from the ⊕ (monitor/ TV output) jacks at the rear of the TV. However, the signals of the PROGRAM INDEX, STROBE, PIP modes, the signals from the - (component video input) jacks, and the Teletext broadcast cannot be output even though MONITOR is selected.

1 Press MENU.





2 Press ★ or ★ to move the cursor (►) to the FEATURES menu (副), and press ENTER.





- 3 Press ★ or ★ to move the cursor (►) to AV OUT, and press ENTER.
- 4 Press */*/*/ to select the output signal, and press ENTER.

Select	То
TV	Output the signal of the TV broadcast.
MONITOR	Output the signal of the picture you are watching as a main picture.

Notes

- . Do not change the channel while recording with a VCR through the (monitor/TV output) jacks. If you change the channel, it also changes the channel you are recording.
- When the signals from the (component video input) jacks are displayed on the main screen, the signals can't be output even though MONITOR is selected.

Additional Information

Troubleshooting

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.

If the problem persists, contact your nearest Sony dealer or authorized service center.

Snowy picture Noisy sound





- → Check the antenna.
- → Check the antenna connection on the TV and on the wall.
- → Check the TV system (TV SYS) setting.
- → Check the ATT (attenuator) setting.

Dotted lines or stripes



→ This may be caused by local interference (e.g. cars, neon signs, hair dryers, etc.). Adjust the antenna for minimum interference.

Double images or "ghosts"



→ This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the

Good picture Noisy sound





→ Check the TV system (TV SYS) setting.

No picture No sound





- → Press ① to turn off the TV for about five seconds and then turn it on again.
- → Check the power cord connection.
- → Check the antenna connection.
- → Check the VCR connections.

Good picture No sound





- → Press ∠ +.
- →If "CENTER IN" is displayed on the screen, select "SPEAKER: MAIN" of the AUDIO ADJUST menu.
- →Press 🖎.
- → Press A/B .

No color



- → Adjust the COLOR level in the VIDEO ADJUST menu of the PERSONAL option.
- → Check the color system (COL SYS) setting.

TV cannot receive stereo broadcast signal

→ Press A/B • until "AUTO" appears on the screen.

TV cabinet creaks

→ Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

Additional Information | 33-EN

Cleaning the screen

- To clean the screen with a cloth, please use a soft cloth lightly moistened with a mild detergent solution or water. Do not use any type of abrasive pad, alkaline cleaner, scouring powder or solvent, such as alcohol or benzine, or anti static
- spray.

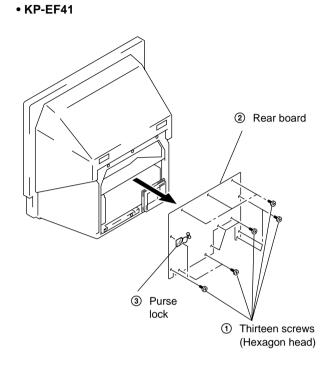
 As a safety precaution, unplug the TV before cleaning it.

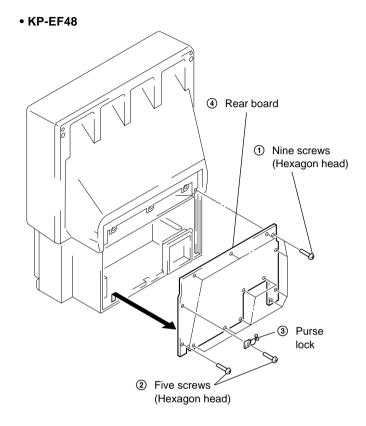
 Do not rub, touch, or tap the surface of the screen with sharp or abrasive items, like a ball point pen or a screw driver. Otherwise, this type of contact may result in a scratched

SECTION 2 DISASSEMBLY

2-1. REAR BOARD REMOVAL

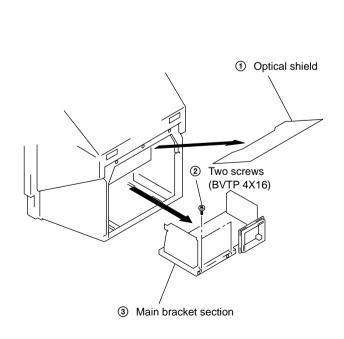




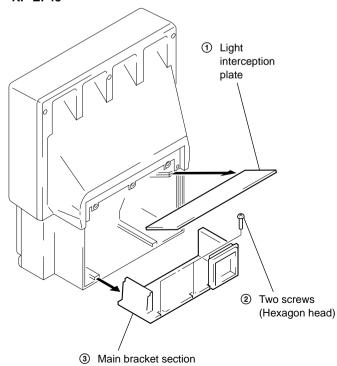


2-2. MAIN BRACKET SECTION REMOVAL



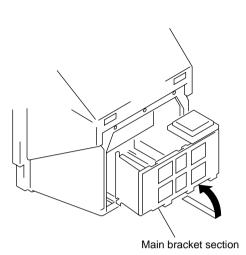




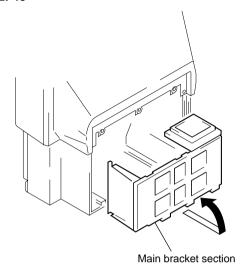


2-3. SERVICE POSITION

• KP-EF41

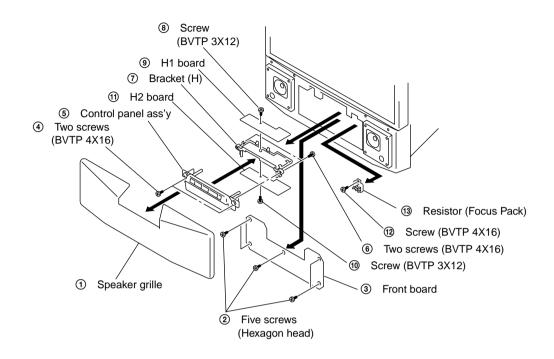


• KP-EF48

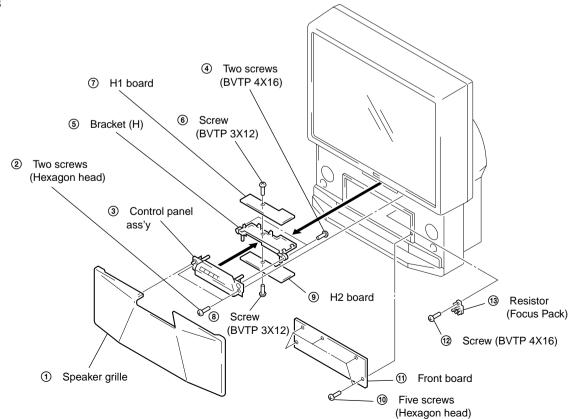


2-4. H1 BOARD, H2 BOARD AND RESISTOR (FCOUS PACK) REMOVAL

• KP-EF41

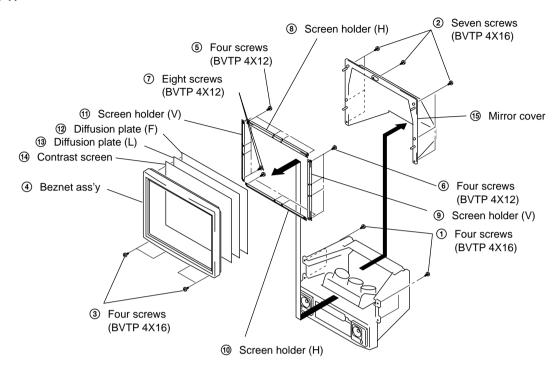


• KP-EF48

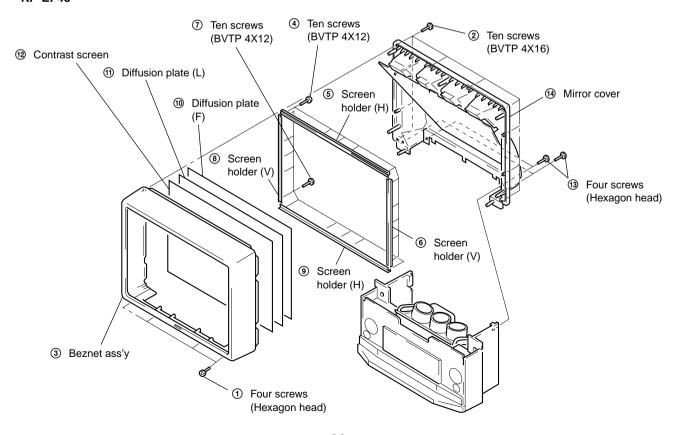


2-5. BEZNET SECTION REMOVAL

• KP-EF41

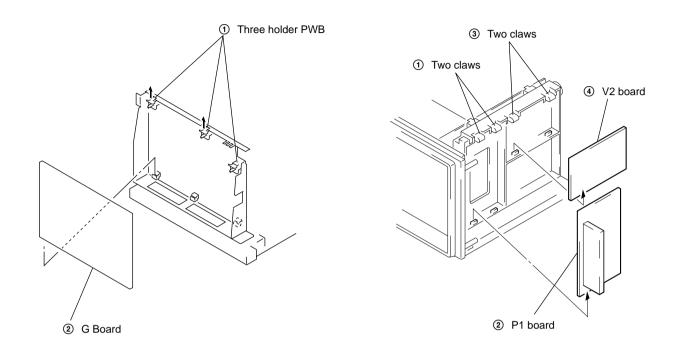


• KP-EF48

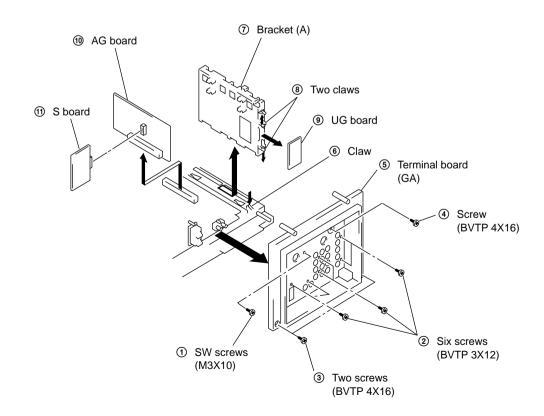


2-6. G BOARD REMOVAL

2-7. P1 BOARD AND V2 BOARD REMOVAL

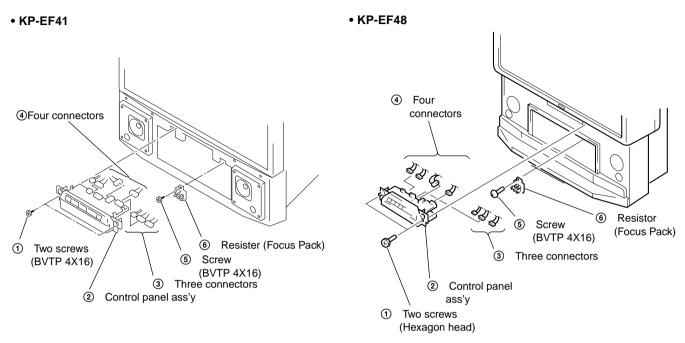


2-8. UG BOARD, AG BOARD AND S BOARD REMOVAL



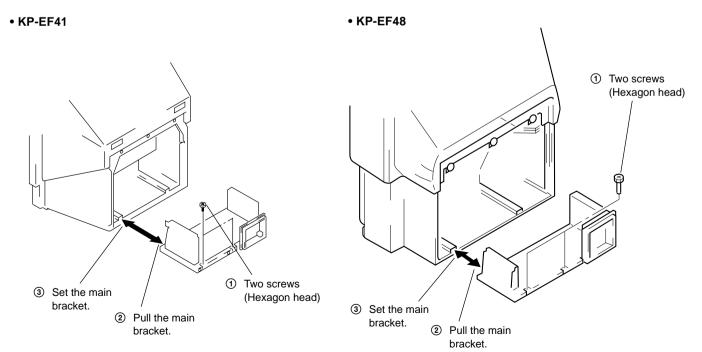
2-9. CHASSIS BLOCK REMOVAL

(1) H1, H2 BOARDS AND RESISTOR REMOVAL



(2) MAIN BRACKET REMOVAL

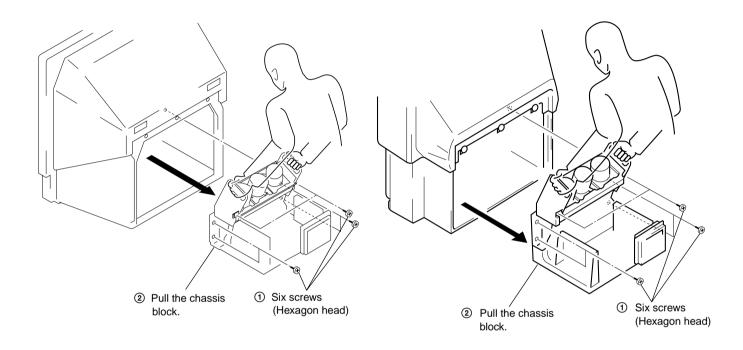
* Pay particular attention to the wires of each PCB when puling out the main bracket.



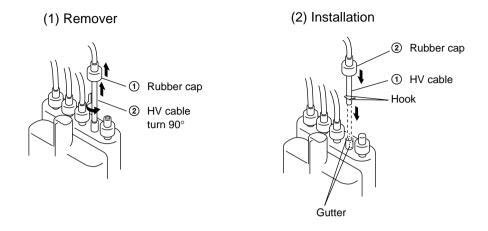
(3) CHASSIS BLOCK REMOVAL

* Pull out the chassis block by gripping the handles as shown in the diagram. At this time, pay particular attention to the components removed in (1).

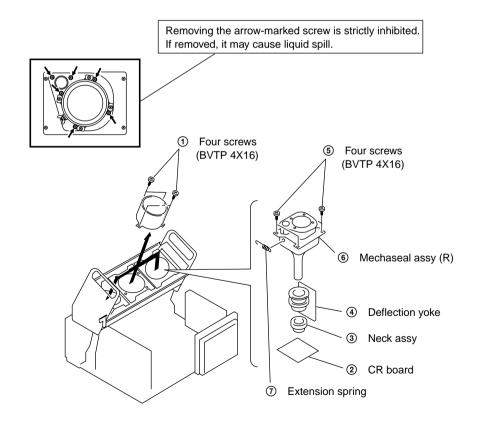
• KP-EF41 • KP-EF48



2-10. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL



2-11. MECHASEL ASSY REMOVAL



SECTION 3 SET-UP ADJUSTMENTS

3-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

- 1. Receive the Monoscope signal.
- 2. Set 50% BRIGHTNESS and minimum PICTURE.
- 3. Turn the red VR on the FOCUS Pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
- 4. Next gradually turn it to the left to the position where the retrace line disappears.

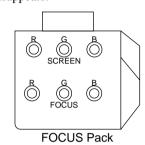


Fig. 3-1

3-2. FOCUS ADJUSTMENT

- Loose the lens screw.
- 2. Set in service mode.
- 3. Place the caps on the red and blue lens so that only the green color is shown.
- 4. Press the Commander button and select OSD (CHSW) to display the test signal (crosshatch) on the screen.
- 5. Rotate the green lens and align with the optimal focus point from the test signal.
- 6. Rotate the green VR on the FOCUS Pack and align to obtain the optimal focus point.
- Perform the same alignment for red and blue lenses and electric focus.
- 8. Fix lens screw.

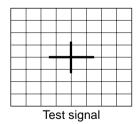
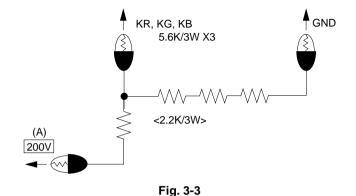


Fig. 3-2

3-3. SCREEN (G2) ADJUSTMENT

- 1. Connect JIG (A) to 200 V and GND.
- 2. Select VIDEO mode without signals.
- 3. Connect JIG to the TP701(KR), TP731(KG) or TP761(KB) of CR board, CG board and CB board.
- 4. Adjust R, G and B screen voltage to until retrace line disappears with screen VR on the focusblock.



Scanning line visible.

A Minimize both A and B.

Lens

Fig. 3-4 Fig. 3-5

3-4. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Set to receive the Monoscope signal.
- 2. Set in service mode.
- 3. Place the caps on the red and blue lens so that only the green color
- 4. Loosen the deflection yoke setscrew and align the tilt of the Deflection Yoke so that the bars at the center of the monoscope pattern are horizontal.
- 5. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
- 6. The tilt of the deflection yoke for red and Blue is aligned the same as was done for green.

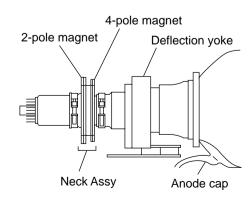


Fig. 3-6

3-5. 2-POLE MAGNET ADJUSTMENT

- 1. Set in service mode.
- 2. Set to receive the Dot signal.
- 3. Place the caps on the red and blue lens so that only the green color is shown.
- 4. Turn the green VR on the focus block to the right and set to overfocus to enlarge the spot.
- 5. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the Just Focus spot.
- 6. Align the green focus VR and set for just (precise) focus.
- 7. Perform the same alignment for red and blue.



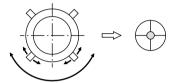


Fig. 3-7

3-6. 4-POLE MAGNET ADJUSTMENT

- 1. Set in service mode.
- 2. Set to receive the Dot signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- 4. Turn the green VR on the focus block to the left and set to underfocus to enlarge the spot.
- 5. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.
- 6. Perform the same alignment for red and blue.

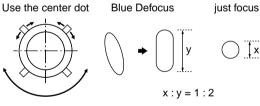


Fig. 3-8

3-7. DEFOCUS ADJUSTMENT (Blue)

- 1. Receive the Dot signal.
- 2. Place the caps on the red and green lens so that only the blue color is shown.
- Rotate the blue focus volume on the focus pack and adjust to obtain best electrical focus.
- 4. Rotate Blue focus volume of focus pack clocwise, so that diameter of the Dot see Caution.

3-8. GREEN AND RED FOCUS ADJUSTMENT

3-8-1. Green and Red Lens Focus Adjustment

- 1) Input a monoscope signal.
- Place a lens cover over Red and Blue lenses and project only Green.
- 3) Rotate the Green lens and ajust to obtain the best lens focus.
- 4) Fix lens screw.
- 5) Repeat above process for Red.

3-8-2. Green and Red Electrical Focus Adjustment

- 1) Input a monoscope signal.
- 2) Project only Green.
- 3) Rotate the green focus volume on the focus pack and adjust to obtain an optimal electrical focus in the top right corner, taking care of center focus is not NG. obtain a compromise between center and corner focus.
- 4) Repeat above process for Red.

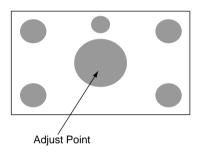


Fig. 3-11

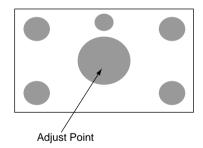


Fig. 3-12

SECTION 4 SAFETY RELATED ADJUSTMENT

When replacing the following components marked with \square on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

Part Replaced (►)	
R1	

Part Replaced (◢)								
E Board	L506,	Q502,		R514,	,			
G Board								

4-1. HV HOLD-DOWN ADJUSTMENT

- 1. Remove CN810. Connect HV meter to HV Block.
- 2. Connect External Power Supply to CN810 ② pin (+135V) and ① pin (GND).

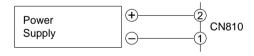
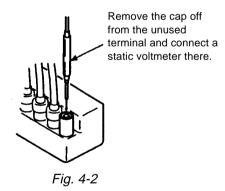


Fig. 4-1



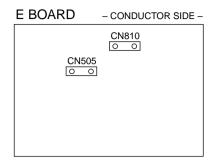


Fig. 4-3



Fig. 4-4

- 3. Turn on the set.
- 4. Slowly up the supply voltage from 0V to 135V.
- 5. Receive dot picture and set PICTURE/BRIGHT-NESS to minimum.
- 6. Slowly up the voltage until hold-down circuit works (picture disappear).
- 7. Read the HV meter of peak HV voltage.

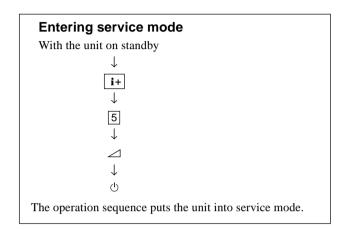
Spec: 34.5±0.75KV

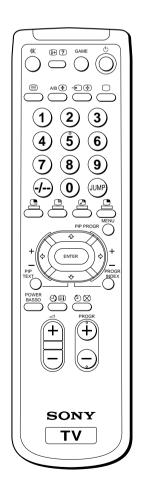
- 8. If Hold-down voltage is less than 33.75KV then solder R1=820K.
- 9. If hold-down voltage is over than 35.25KV then take-off R514 and solder R1=9.1K.

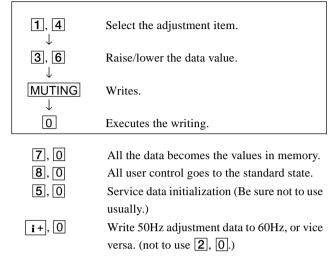
SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

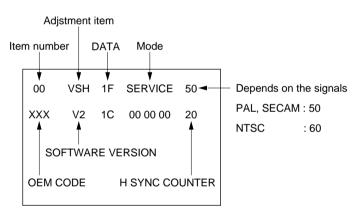
Service adjustments are made with the RM-871 that comes with this unit.







The screen display is:



RM-871

5-2. ADJUSTMENT METHOD

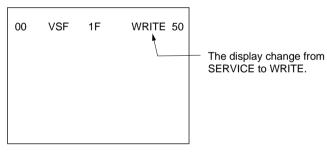
Item Number 00

This explanation uses V-Position as an example.

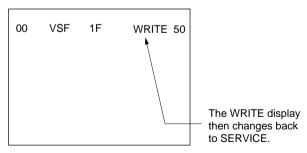
- 1. Select 00 VSH with the **1** and **4** buttons.
- 2. Raise/lower the data with the **3** and **6** buttons.
- 3. Select the optimum state. (The standard is IF for PAL reception.)
- 4. Write with the MUTING button. (The display changes to WRITE.)
- 5. Execute the writing with the **0** button. (The WRITE display will be changed back to SERVICE.)

Data adjusted with 3 and 6 buttons.

Item selected with 1 and 4 buttons.



Written with MUTING



Write executed with 0

Use the same method for Items Number 00-99. Use 1 and 4 to select the adjustment item, use 3 and 6 to adjust, write with MUTING, then execute the write with 0.

• As for V-FREQ, by searching the bolded screen V range with adjusting data.

Note: 1. For adjustment Items that have differnt standard data between 50Hz or 60Hz and normal or wide, be sure to use the respective input signal while adjusting.

In WRITE , the data for all items are written into memory.

5-3. ADJUSTMENT AFTER IC1001 and IC1702 REPLACEMENT

- 1. Enter to Service Mode.
- Change IC1001 (Except for Registration Adjustment).
 Change IC1702 (Only Registration Adjustment).
- 3. Call each item number, and check if the respective screen shows the normal picture.
 - In cases where items are not well adjusted, recitify the items with fine adjustment.
 - Write the data per each item number ($\boxed{MUTING} + \boxed{0}$)
- 4. Select item numbers "98" (OP0) and "99" (OP1) and respectively set the bit per model with command buttons 3 and 6.

RM-871

Adjustment Item Table

Item Display	Adj Item	Data Range	Std Values	Register Name	Device
00	VSH	00~3F	1B	V POSITION	CXA2050S
01	VSZ	00~3F	21	V SIZE	CAA20003
02	HSH	00~3f	07	H POSITION	
03	HSZ	00~3F	12	H SIZE	
04	SCR	00~0F	06	S CORRECTION	
05	VLN	00~0F	08	V LINEARITY	
06	PAP	00~3F	OE	PIN COMP	
07	PPH	00~0F	05	PIN PHASE	
08	UCP	00~0F	05	UP CORNER PIN	
09	LCP	00~0F	05	LOW CORNER PIN	
0A	BOW	00~0F	05	AFC-BOW	
0B	ANG	00~0F	09	AFC-ANGLE	
OSD0	CHSW	0,1	0	Hatch Display (0: Disp Hatch, 1: No Disp)	CXP86213-002S
OSD1	OSDH	1-32	10	OSD H POS	
OSD2	OSDV	1-32	10	OSD V POS	
OSD3	VMRK	0,1	0	V SIZE Mark	
SFT0	SFTE	0,1	1	Shift Enable	
SFT1	SFTF	Ó	0	Shift Fast	
GH0	GSEL	0,1	0	OSD Select for GH, GV (0: G + R, 1: Green)	
GH1	CENT	Ô	0	CENTER	
GH2	SKEW	-127~+127	0	SKEW	
GH3	BOW	-127~+127	0	BOW	
GH4	4bow	-127~+127	0	4th BOW	
GH5	SIZE	-127~+127	0	SIZE	
GH6	LIN	-127~+127	0	LINEARITY	
GH7	MSIZ	-127~+127	0	MID SIZE	
GH8	MLIN	-127~+127	0	MID LINEARITY	
GH9	KEY	-127~+127	0	KEYSTONE	
GH10	SSKW	-127~+127	0	SUB SKEW	
GH11	MPIN	-127~+127	15	MID PINCUSION	
GH12	PIN	-127~+127	-12	PINCUSION	
GH13	SBOW	-127~+127	8	SUB BOW	
GH14	MBOW	-127~+127	0	MID BOW	
GH15	4PIN	-127~+127	0	4th PINCUSION	
GH16	4SBO	_127~+127	0	rth SUB BOW	
GV0	CENT	0	0	CENTER	
GV1	SKEW	-127~+127	0	SKEW	
GV2 GV3	BOW SIZE	-127~+127 -127~+127	0	BOW SIZE	
GV3 GV4	LIN	-127~+127 -127~+127	0	LINEARITY	
GV4 GV5	MSIZ	-127~+127 -127~+127	0	MID SIZE	
GV6	MKEY	-127~+127	Ö	MID KEYSTONE	
GV7	KEY	-127~+127	Ö	KEYSTONE	
GV8	SSKW	-127~+127	o o	SUB SKEW	
GV9	MPIN	-127~+127	0	MID PINCUSION	
GV10	PIN	-127~+127	20	PINCUSION	
GV11	SBOW	-127~+127	16	SUB BOW	
GV12	WAVE	-127~+127	0	WAVWE	
GV13	4PIN	_127~+127	25	4th PINCUSION	
RH0	CENT	-95~+96	0	CENTER	
RH1	SKEW	-95~+96	0	SKEW	
RH2	BOW	-127~+127	0	BOW	
RH3	4BOW	-127~+127	0	4th BOW	
RH4	SIZE	-127~+127	25	SIZE	
RH5	LIN	-127~+127	10	LINEARITY	
RH6	MSIZ	-127~+127	30	MID SIZE	
RH7	MLIN	-127~+127	-30	MID LINEARITY	

	1		Г		T
Item	Adj	Data	Std	Register Name	Device
Display	Item	Range	Values		
RH8	KEY	-127~+127	0	KEYSTONE	
RH9	SSKW	-127~+127	0	SUB SKEW	
RH10	MPIN	-127~+127	0	MID PINCUSION	
RH11	PIN	-127~+127	-10	PINCUSION	
RH12	SBOW	-127~+127	40	SUB BOW	
RH13	MBOW	-127~+127	12	MID BOW	
RH14	4PIN	-127~+127	0	4th PINCUSION	
RH15	4SBO	127~_+127_	0	_ 4th SUB BOW	
RV0	CENT	-95~+96	– 10	CENTER	
RV1	SKEW	-95~+96	0	SKEW	
RV2	BOW	-127~+127	4	BOW	
RV3	SIZE	-127~+127	0	SIZE	
RV4	LIN	-127~+127	0	LINEARITY	
RV5	MSIZ	-127~+127	0	MID SIZE	
RV6	MKEY	-127~+127	10	MID KEYSTONE	
RV7	KEY KEYSTONE	-10	-10	-127±127	
RV8	SSKW	-127~+127	10	SUB SKEW	
RV9	MPIN	-127~+127	0	MID PINCUSION	
RV10	PIN PINCUSION	10	10	-127±127	
RV11	SBOW	-127~+127	16	SUB BOW	
RV12	WAE	-127~+127	30	WAVE	
RV13	4PIN	-127~+127	10	4th PINCUSION	
RV14	_ MWAVE _	31~+31	0	MID WAVE	
BH0	BSEL	0,1	0	OSD Select for BH, BV (0: B + G, 1: B + R)	
BH1	CENT	-95~+96	0	CENTER	
BH2	SKEW	-95~+96	0	SKEW	
BH3	BOW	-127~+127	0	BOW	
BH4	4BOW	-127~+127	0	4th BOW	
BH5	SIZE	-127~+127	-25 10	SIZE	
BH6 BH7	LIN MSIZ	-127~+127 -127~+127	-10 30	LINEARITY MID SIZE	
BH8	MLIN	-127~+127 -127~+127	30	MID SIZE MID LINEARITY	
BH9	KEY	-127~+127 -127~+127	0	KEY KEYSTONE	
BH10	SSKW	-127~+127 -127~+127	0	SUB SKEW	
BH11	MPIN	-127~+127 -127~+127	0	MID PINCUSION	
BH12	PIN	-127~+127 -127~+127	-10	PINCUSION	
BH13	SBOW	-127~+127	-40	SUB BOW	
BH14	MBOW	-127~+127 -127~+127	-16	MID BOW	
BH15	4PIN	-127~+127 -127~+127	0	4PIN 4th PINCUSION	
BH16	4SBO	-127~+127	ő	4th SUB BOW	
BV0	CENT	-95~+96	-10	CENTER	
BV1	SKEW	-95~+96	0	SKEW	
BV2	BOW	-127~+127	o o	BOW	
BV3	SIZE	-127~+127	o o	SIZE	
BV4	LIN	-127~+127	ő	LINEARITY	
BV5	MSIZ	-127~+127	Ö	MID SIZE	
BV6	MKEY	-127~+127	–10	MID KEYSTONE	
BV7	KEY	-127~+127	10	KEYSTONE	
BV8	SSKW	-127~+127	-10	SUB SKEW	
BV9	MPIN	-127~+127	0	MID PINCUSION	
BV10	PIN	-127~+127	10	PINCUSION	
BV11	SBOW	-127~+127	32	SUB BOW	
BV12	WAVE	-127~+127	-30	WAVE	
BV13	4PIN	-127~+127	10	4th PINCUSION	
BV14	MWAVE	31~+31_	0	MID WAVE	
ACV0	ART0	1-8	6	DATA SAMPLE LENGTH	
ACV1	ATIM	0-255	1S	SAMPLE START TIME (UP)	
			I	İ	l

	A 1:	Б.	0.1	D : .	
Item Display	Adj Item	Data Range	Std Values	Register Name	Device
ACV2		_		SAMPLE START TIME (LSR)	
ACV2 ACV3	ATIM ATIB	0-255 0-255	132 240	SAMPLE START TIME (LSR) SAMPLE START TIME (BOT)	
ACV4	AH51	0-255	1S	OSD H POS 50 (L & R)	
ACV5	AH52	0-255	130	OSD H POS 50 (UP & BOTTOM)	
ACV6	AV5T	0-255	1	OSD V POS 50 (UP)	
ACV7	AV5M	0-255	60	OSD V POS 50 (L & R)	
ACV8	AV5B	0-255	130	OSD V POS 60 (BOTTOM)	
ACV9	AH61	0-255	18	OSD H POS 60 (L & R)	
ACV10	AH62	0-255	130	OSD H POS 60 (BOTTOM)	
ACV11	AV6T	0-255	1	OSD V POS 50 (UP)	
ACV12	AV6M	0-255	46	OSD V POS 50 (L & R)	
ACV13	AV6B	0-255	100	OSD V POS 50 (BUTTOM)	
ACV14	RHCO	-127~+127	0	RH CENT ADJ OFFSET	
ACV15	BHCO	-127~+127	0	BH CENT ADJ OFFSET	
ACV16	RCO	-127~+127	0	RV CENT ADJ OFFSET	
ACV17	BVCO	-127~+127	0	BV CENT ADJ OFFSET	
ACV18	RHSO	-127~+127	0	RH SKEW ADJ OFFSET	
ACV19	BHSO	-127~+127	0	BH SKEW ADJ OFFSET	
ACV20	RVSO	-127~+127	0	RV SKEW ADJ OFFSET	
ACV21	BVSO	-127~+127	0	BV SKEW ADJ OFFSET	
ACV22	AERR	0-255	0	AUTO CONV. ERROR CODE	
MSC0	ACTL	0-255	0	COUNTER (LOW BYTE)	
MSC1	ACTH	0-255	0	COUNTER (HIGH BYTE)	01/400500
0C	VAP	00~3F	2F	V ASPECT	CXA2050S
0D	VSC	00~3F	1F	V SCROLL	
0E 0F	ULN	00~0F	00	UP V LINEARITY	
10	LLN EHH	00~0F 00~03	00 00	LOW V LINEARITY EHT-H	
11	EHV	00~03	00	EHT-V	
12	HBS	00~03	01	H BLK WID.ON/OFF	
13	LBK	00~0F	0F	L BLK WIDTH	
14	RBK	00~0F	0F	R BLK WIDTH	
15	JSW	00~01	00	JUMP ON/OFF SW	
16	VBW	00~03	02	V BLK WID.CON.	
17	AFC	00~03	01	AFC-MODE	
			03		
18	FHH	00~01	00	FH-HI	
19	VFQ	00~03	00	V-FREQ	
1A	VOF	00~01	00	V OFF	
1B	VMD	00~01	00	CD-MODE2	
1C	CMD	00~01	00	CD-MODE	
1D	TTL	00~03	00	INTERLACE	
1E	ZSW	00~01	00	ZOOM SW	
1F	POV	00~03	02	PRE-OVER	
20	CT1	00~01	01	C-TRAP(NTSC)	
21	CT2	00~01 00~0F	01	C-TRAP(PAL)	
22 23	CFO SFO	00~0F 00~01	07 00	C-TRAP fo ADJ SHARPNESS fo ADJ	
23	TOT	00~01	01	TOT FILTER SW	
25	CSW	00~01	00	COLOR SW	
26	XTL	00~03	00	XTAL	
	XIL.	00 -00	00	, , , , , , , , , , , , , , , , , , ,	
27	CV1	00~01	01	CV/YC SEL(NTSC)	
28	CV2	00~01	01	CV/YC SEL(PAL)	
29	VM	00~01	01	VM ON/OFF	
2A	YVM	00~01	00	YS1/VM SW(0:YS1)	
2B	DPC	00~01	01	D-PIC ON/OFF	

	1	Γ	T		T
Item Display	Adj Item	Data Range	Std Values	Register Name	Device
2C	DCO	00~01	00	DYNAMIC COLOR	
2D	GMM	00~03	00	GAMMA	
2E	DTR	00~01	01	DC-TRANSIENT	
2F	DL1	00~07	03	DELAY CTRL(PAL)	
			03		
30	DL2	00~07	03	DELAY CTRL(NTSC)	
0.4	DI O	00.07	03	DELAY OTDI (OFOAM)	
31	DL3	00~07	03	DELAY CTRL(SECAM)	
32	DL4	00~07	03 07	DELAY AT DVD(50Hz)	
33	DL4 DL5	00~07	07	DELAY AT DVD(50Hz)	
34	SCN	00~07 00~0F	09	SUB-CONTRAST	
35	SC1	00~0F	0B	SUB-COLOR(OTHER)	
36	SC2	00~0F	09	SUB-COLOR(NTSC)	
37	SH1	00~0F	04	SUB-HUE(TV)	
38	SH2	00~0F	0B	SUB-HUE(VIDEO)	
39	SBR	00~3F	1F	SUB-BRIGHT	
3A	SSH	00~07	04	SUB-SHARPNESS	
			00		
3B	GDR	00~3F	35	G-DRIVE	
3C	BDR	00~3F	2F	B-DRIVE	
3D	GCF	00~0F	0C	G-CUTOFF	
3E 3F	BCF	00~0F	0A	B-CUTOFF	
35	RPO	00~03	01 02	0F[01]	
40	PON	00~01	02	PIC-ON	
41	RON	00~01	01	RON	
42	GON	00~01	01	GON	
43	BON	00~01	01	BON	
44	AKF	00~01	00	AKB ON/OFF SW	
45	ESY	00~01	00	EXT SYNC SEL	
			00		
46	AGG	00~01	00	AGING MODE ON/OFF	
47	ABL	00~01	01	ABL PIC/PICandBRT SW	
48	LIM	00~01	01	(1:PIC ONLY) RGB LIMIT ON/OFF	
40	LIIVI	00~01	01	(1:ON)	
49	PB	00~01	01	PICTURE BOOSTER	 No use
4A	BOF	00~01	01	BLACK OFFSET	No use
4B	UVG	00~3F	1F	USER VAR.GAMMA	
4C	ADG	00~3F	1F	ADAPTIVE GAMMA	
4D	NLA	00~3F	05	NON-LINEAR AMP	
4E	WDS	00~02	00	WINDOW SELECT	
4F	LST	00~0F	07	WINDOW LINE START	
50	LSP	00~0F	07	WINDOW LINE STOP	
51 50	FST	00~0F	07	WINDOW FIELD START	
52	FSP	00~0F	07	WINDOW FIELD STOP	-,
53	VA	00~01	01	V APERTURE ON/OFF	No use
54 55	VAW VAB	00~03	00	V APERTURE WHITE	
55 56	VAC	00~03 00~0F	00 01	V APERTURE BLACK V APERTURE CORE	
57	SHP	00~3F	+	SHARPNESS	 No use
3/	SITE	∪∪~3F	25 20	GHAINFINESS	140 026
58	VMH	00~3F	29	VM LIMITTER(HIGH)	
59	VML	00~3F	1C	VM LIMITTER(LOW)	
				, ,	
<u> </u>			<u> </u>	1	l .

Item Display	Adj Item	Data Range	Std Values	Register Name	Device
		-			
5A	COR	00~3F	1C 1C	CORING	
5B	DOF	00~3F	15	DSC OFFSET	
5C	DGA	00~3F	1F	DSC GAIN	
5D	DLT	00~01	01	DELAY TIME	
5E	SDL	00~0F	00	SEL PIN DELAY	SDA9189X
5F	POH	00~FF	1B	H POSITION(MSB 8bit)	
60	POV	00~FF	2F	V POSITION	
61	HDL	00~1F	0B	HSI DELAY	
62	AMS	00~01	00	DECIMATION FILTER	
63	VDL	00~1F	0B	VSI DELAY	
64 65	VSP	00~1F	0D 06	VSP DELAY	
66	CON FRY	00~0F 00~0F	09	CONTRAST FRAME Y	
67	FRV	00~01 00~0F	00	FRAME V	
68	FRU	00~0F	00	FRAME U	
69	INF	00~01	01	INNER FRAME	
6A	FWV	00~03	02	FRAME WIDTH V	
6B	FWH	00~07	07	FRAME WIDTH H	
6C	PLL	00~03	02	PLL LOOP FILTER	
6D	PDV	00~0F	00	PEDESTAL V	
6E	PDU	00~0F	00	PEDESTAL U	
6F 70	DAT DAN	00~01	00 00	DAC STREAM CONTROL DAC CONTROL	
F		00~01		†	
71 72	FAW CTM	00~FF 00~FF	08 08	NICAM FAW THRESH NICAM ERROR BIT(MONO)	MSP3410
73	CTN	00~FF	50	NICAM ERROR BIT(NICAM)	
74	WCD	00~FF	0A	W.G.DATA CHANGE	
75	WST	00~FF	15	W.G.STEREO THRESHOLD	
76	WTM	00~FF	50	W.G.TIMER	
77	WBT	00~01	EA	W.G.BILINGUAL THRESHOLD	
78	AGC	00~01	01	AGC AUTO/CONST	
79	CDB	00~3F	28	AGC GAIN CONST	
7A	FGP	00~7F	24	FM(BG,I,DK)PRESCALE	
7B 7C	EMP WGP	00~7F 00~7F	40 3C	FM(M)PRESCALE W.G PRESCALE	
7C 7D	NIP	00~7F	7F	NICAM PRESCALE	
7E	CRM	00~71	00	CARRIER MUTE	
7F	CML	00~03	00	CARRIER MUTE LEVEL	
80	ACO	00~01	01	AUDIO CLOCK OUT	
81	WAC	00~0F	01	W.G.AGREEMENT COUNT	
82	DLY	00~FF	30	STEREO SEARCH DELAY	
83	DLG	00~FF	10	W.G.SEARCH DELAY	
84	TXP	00~0F	0E	TEXT PICTURE CONT	SAA5261
85	MXP	00~0F	0F	TEXT MIX MODE PIC	
86	TXH PP4	00~03	02 1D	TEXT DISPLAY POSITION(H)	CVA1245
87 88	BB1 BB2	00~3F 00~3F	1D 1D	BBE CONTROL HIGH BBE CONTROL MIDDLE	CXA1315
89	BB3	00~3F 00~3F	28	BBE CONTROL MIDDLE	
8A	<u>555</u> ATW	00~03	01	AUTO WIDE IDENTSPEED	 No use
8B	BKP	00~05 00~FF	00	BLK OFF PICTURE	No use
8C	OSH	00~FF 00~3F	00 0D	OSD POSITION H	140 026
8D	ODL	00~3F 00~FF	10	POWER ON DELAY	
8E	BLU	00~01	01	BLUE BACK ON/OFF	
8F	ROC	00~0F	0F	N/S CENTER VOL	

Note: Items are fixed data.

Item Display	Adj Item	Data Range	Std Values	Register Name	Device
90	ROS	00~07	07	USER SET UP	
91	DKS	00~01	01	D/K STEREO SEARCH	
92	MUT	00~01	01	NO SYNC MUTE	
93	DID	00~01	00	DISABLE DEGAUSS	
94	DWZ	00~01	00	DISABLE WIDEZOOM	
95	BCS	00~01	00	BASS CENTER SHIFT	
96	RVS	00~01	00	BASS VOLUME SHIFT	
97	WBS	00~03	00	WOOFER OFF BASS SHIFT	
98	OP0	00~FF	C1	OPTION 0	
99	OP1	00~FF	3E	OPTION 1	

Note: Items are fixed data.

ITEM INFORMATION

No.98 OP 0

ITEM	MSP RST	H.D. M	_	_	_	_	_	Text Mode
Normal	0	0	0	0	0	0	0	1

bit 0 0: Automatic mode

1: Fastext mode

bit 6 0: High Deviation mode Disable

1: High Deviation mode Enable

bit 7 0: Off

1: On

No.99 OP 1

ITEM	WIDE	WOOFER	TILT	VM	COMB ELECT	COMB	SECAM	B/G ONLY
Normal	0	0	1	1	1	1	1	0

E: Tilt, Digital comb, SECAM decoder

V: Wide, Tilt, Digital comb, SECAM decoder

J: Tilt, Grass comb, VM, SECAM decoder

bit3 0: Grass comb 1: Digital comb bit2 0: comb OFF 1: comb ON RM-871

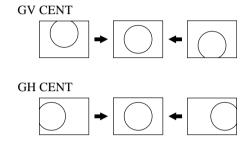
5-4. REGISTRATION (CONVERGENCE) ADJUSTMENT METHOD

PAL REGISTRATION ADJUSTMENT

- 1) Receive the PAL SPCB signal.
- 2) Select Service mode and enter adjustment items for Green signal.

CENTER ADJUSTMENT

1) Adjust GH and GV CENT.

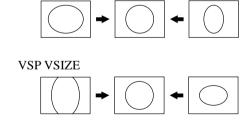


SIZE ADJUSTMENT

- 1) Adjust GH SIZE data "0".
- 2) Adjust VSP H-SIZE.
- 3) Make GV SIZE data "00".
- 4) Adjust VSP V-SIZE.
- 5) Adjust VSP SSCOR.

VSP HSIZE

SPEC : H-SIZE 16.4 +/- 0.15 Sq. V-SIZE 12.3 +/-0.15Sq.



MAIN DEFLECTION ADJUSTMENT

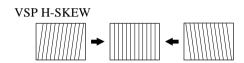
1) Adjust VSP V-Lin.

Correct linearity of the horizontal top and bottom lines.

VSP VLINE • • •

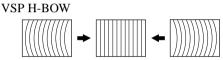
2) Adjust VSP H-SKEW

Correct the vertical center line to be in parailel with the screen edges and other colors.



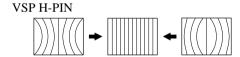
3) Adjust VSP H-BOW.

Correct linearity of the vertical center line.



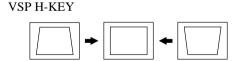
4) Adjust VSP H-PIN.

Correct the vertical left and right lines and eliminute pincushion-shaped distortion.



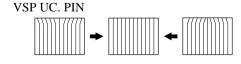
5) Adjust VSP H-Key.

Correct the vertical left and right lines to be in parallel with each other.



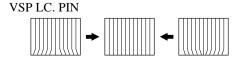
6) Adjust VSP UC. PIN

Correct the screen top section line bow.



7) Adjust VSP LC. PIN

Correct the screen bottom section line bow.



SUB DEFLECTION ADJUSTMENT ITEM

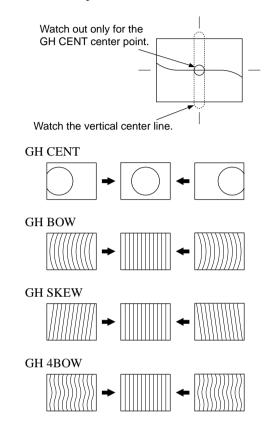
Adjustment

O:Yes -: No

Dioplay	Adjustment item		Ad	justm	ent ty	⁄ре	
Display	Adjustment item	GH	GV	RH	RV	ВН	BV
BSEL	COL SELECT	_	_	_	_	0	_
CENT	CENT	0	0	0	0	0	0
SKEW	SKEW	0	0	0	0	0	0
BOW	BOW	0	0	0	0	0	0
4BOW	4TH BOW	0	_	0	_	0	-
SIZE	SIZE	0	0	0	0	0	0
LIN	LIN	0	0	0	0	0	0
MSIZ	MID SIZE	0	0	0	0	0	0
MLIN	MID LIN	0	0	0	_	0	-
MKEY	MID KEY	_	0	_	0	_	0
KEY	KEY	0	0	0	0	0	0
SSKW	SUB SKEW	0	0	0	0	0	0
MPIN	MID PIN	0	0	0	0	0	0
PIN	PIN	0	0	0	0	0	0
SBOW	SUB BOW	0	0	0	0	0	0
WAVE	WAVE	_	0	_	0	-	0
MBOW	MID BOW	0	_	0	_	0	_
4PIN	4TH PIN	0	0	0	0	0	0
4SBOW	4TH SUB BOW	0	_	0	-	0	-

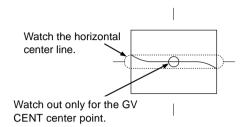
VERTICAL LINE ADJUSTMENT

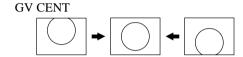
- 1. Carefully watching out for the GH CENT screen centre section, adjust GH CENT, GH BOW, GH SKEW.
- 2. GH 4th Bow adjustment. Correct the corner distortion which could not be adjusted with GH BOW.

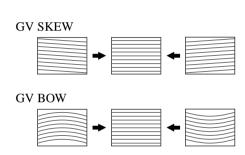


HORIZONTAL LINE ADJUSTMENT

- 1. Finely adjust the centre position of the vertical line at the centre of the screen with GV CENT.
- 2. Using GV SKEW and GV BOW, correct the tilt and bow of the horizontal line at the centre of the screen.

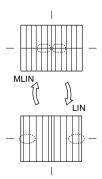






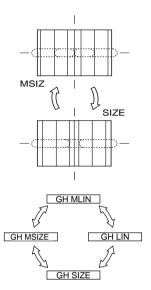
SIZE AND LINEARITY ADJUSTMENT

- Balance the sizes at both sides of the centre section of the screen with GH MLIN.
- 2. Balance the sizes on both end sections of the screen with GH LIN.
- 3. While tracking, adjust with GH MLIN and GH LIN so that the sizes of the horizontal line at the centre of the screen are symmetrical left and right.



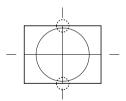
HORIZONTAL SIZE ADJUSTMENT

- 1. Adjust with GH MSIZE, so that the sizes of both edges and centre are equal.
- 2. Adjust with GH SIZE, so that the horizontal sizes of both edges and centre are equal.
- While tracking adjust GH MSIZE and GH SIZE so that the space intervals for the horizontal section of the screen are equal.
- 4. Adjust again if M LIN is changed after GH MSIZE and GH SIZE are complete.



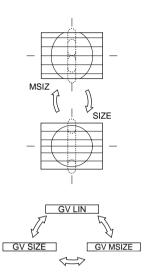
GREEN VERTICAL LINEARITY ADJUSTMENT

1. Adjust GV LIN so that the vertical lines at the top and bottom of the screen are symmetrical.



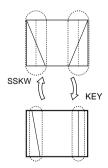
GREEN VERTICAL SIZE ADJUSTMENT

- 1. Adjust GV MSIZE so that the sizes at the top and bottom and centre are equal.
- 2. Set the vertical size to correct specification.
- 3. While tracking adjust GV MSIZE and GV SIZE so that the space intervals for the vertical line of the screen are equal, also the vertical size should be within space.
- 4. Adjust again if GV LIN has been altered after completing the above adjustments.



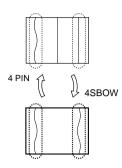
GREEN HORIZONTAL TRAPEZOIDAL DISTORTION ADJUSTMENT

- 1. Adjust GH SSKW so that the tilt of the vertical lines at both edges of the screen are symmetrical left and right.
- 2. Adjust GH KEY so that there is no tilt in the vertical lines at both edges of the screen.
- 3. While tracking adjust GH KEY and GH SSKW.



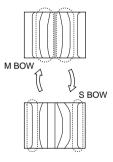
GREEN HORIZONTAL QUATERNARY ADJUSTMENT

- 1. Adjust GH 4PIN, to correct the 4th order distortion.
- 2. Adjust GH 4SBO to balance and correct the 4th order distortion at both edges of the screen.
- 3. While tracking adjust GH 4PIN and GH 4SBOW.



GREEN HORIZONTAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT

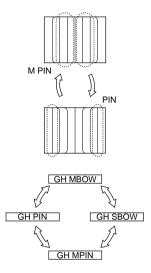
- 1. Adjust GH MBOW, so that the pin asymmetry at both sides of the centre section are symmetrical left and right.
- 2. Adjust GH SBOW so that the bow at both edges of the screen is symmetrical left and right.
- 3. While tracking adjust GH MBOW and GH SBOW so that the bow of vertical lines over the entire screen is symmetrical



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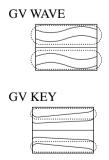
GREEN HORIZONTAL SYMMETRICAL PIN DISTORTION ADJUSTMENT

- 1. Adjust GH MPIN to correct pin distorton at both edges of the centre section.
- Use GH PIN to correct pin distortion at both edges of the screen.
- 3. While tracking adjust GH MPIN and GH PIN so that the PIN of vertical lines on the entire screen have no bowing.
- 4. If there is asymmetrical distortion after adjustments, readjust GH MBOW and GH SBOW while tracking.



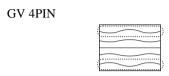
GREEN VERTICAL WAVE (3RD-ORDER) DISTORTION ADJUSTMENT

- Check the screen at the top & bottom, and look for any 2nd or 3rd order waveform distortion of horizontal lines. Correct with GV WAVE.
- While tracking adjust GV WAVE and GV KEY, if here are any KEY distortion.



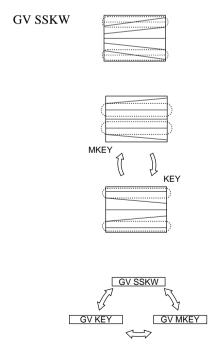
GREEN VERTICAL 4TH ORDER DISTORTION ADJUSTMENT

 By using GV 4 PIN, 4th-Order distortion of the horizontal lines at the top & bottom can be corrected.
 Since there is no 4SBO for vertical correction, there will be a slight imbalnace, but adjust the registration to eleiminate any distortion.



GREEN VERTICAL TRAPEZOIDAL DISTORTION ADJUSTMENT

- 1. Adjust GV SSKW so that the tilt of the horizontal lines at the top and bottom of the screen are symmetrical.
- 2. Adjust GV MKEY so that there is no tilt for the middle section.
- Adjust GV KEY so that there is no tilt at the top and bottom of the screen.
- 4. While tracking adjust GV MKEY and GV KEY, so that there is no tilt over the entire screen.
- 5. If the tilt is unbalanced after GV MKEY and GV KEY have been adjusted, readjust GV SSKW.



GREEN VERTICAL ASYMMETRICAL PIN DISTORTION (2ND-ORDER DISTORTION) ADJUSTMENT

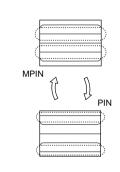
Correct the asymmetrical pin distortion at the top and bottom of the screen with GV SBOW.





GREEN VERTICAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT

- 1. Using GV MPIN adjust the pin distortion at both edges of the screen and at the centre.
- 2. Using GV PIN, adjust, so that the horizontal lines at the top & bottom of the screen are straight lines.
- 3. Adjust GV MPIN & GV PIN so that there is no curve in the horizontal lines on the entire screen.
- 4. After adjusting the items above, using tracking with GV SBOW. GV MPIN, and GV PIN to correct the entire screen.





GREEN AND RED REGISTRATION ADJUSTMENT

- 1. Receive a PAL cross-hatch signal.
- Adjust so that the red lines lay on the green lines.
 Adjust, using the same procedure as the GREEN SUB adjustment outline above.

Note: Main registration correction should not be while adjusting Red adjustment.

BEWARE : Not to change Green Sub Items It's easily done by mistake.

GREEN AND BLUE ADJUSTMENT

 Adjust so that the blue and green lines are on top of each other.

Note: Main registration correction should not be while adjusting Blue adjustment.

BEWARE: Not to change Green & Red Sub Items. It's easily done by mistake.

REGISTRATION DATA WRITE

After Finish all PAL registration adjustments, write PAL registration data by pressing form the appropriate buttons.

DATA WRITE
Press MUTE +0

DATA COPY FROM PAL TO NTSC

Copy PAL data to NTSC data by pressing "DISPLAY" and "0"

* Press "i+ (DISPLAY)" + "0" to copy data from PAL to NTSC.

If you press " i+ (DISPLAY)", then it appears "WRT5060" to display.

* Make sure input signal is PAL. If input signal is NTSC and do this process, NTSC data are copied to PAL data!

5-5. AUTO CONVERGENCE ADJUSTMENT

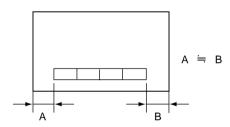
- 1. Enter service mode.
- 2. Confirm registration is well adjusted (especially center).
- 3. Push "Quick Focus" (Auto Convergence) button in the control panel.
- 4. If, Auto Convergence is successfully finished, then OK.
- 5. If not, please check the connection of the photo sensor and it's harness.

5-6. WHITE BALANCE ADJUSTMENT

- 1. Receive the monoscope signal and adjust the picture quality with the menu.
- 2. Adjust service mode S-BRIGHT so that the signal 20 IRE section barely glows.
- 3. Receive the all-white pattern signal.
- 4. Adjust the white balance with service mode G-CUTOFF and B-CUTOFF.
- 5. Adjust service mode S-BRIGHT so that the signal 100 IRE section barely glows.
- 6. Adjust the white balance with service mode G-DRIVE and B-DRIVE.
- 7. Repeatedly adjust the white balance for the minimum and maximum picture settings.

5-7. TEXT POSITION ADJUSTMENT

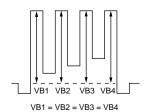
- 1. Receive RF signal with text.
- Select item 86 (TXH) Text H position adjustment by commander.
- 3. Adjust H Position of Text.



5-8. PICTURE QUALITY ADJUSTMENTS

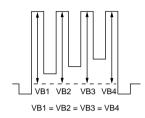
SUB COLOR ADJUSTMENT (SC1, SC2)

- 1. Input a PAL color-bar.
- Set to the following condition:
 PICTURE 100%, BRIGHTNESS 50%, COLOR 50%
- Connect an oscilloscope to the pin 3 (B OUT) of CN405, AG board.
- 4. Set to Service Mode and select 35 SC1 with 1 and 4 of the commander then adjust to VB1=VB2=VB3=VB4 with 3 and 6.
- 5. Press $\boxed{\text{MUTING}} \rightarrow \boxed{0}$ of the commander to write the data.
- 6. Adjust 36 SC2 as step 2 to 5 when receiving NTSC color-bar, and then 5 step down the data of 36 SC2 data.
- 7. Press $\boxed{\text{MUTING}} \rightarrow \boxed{\textbf{0}}$ of the commander to write the data.



SUB HUE ADJUSTMENT (SH1, SH2)

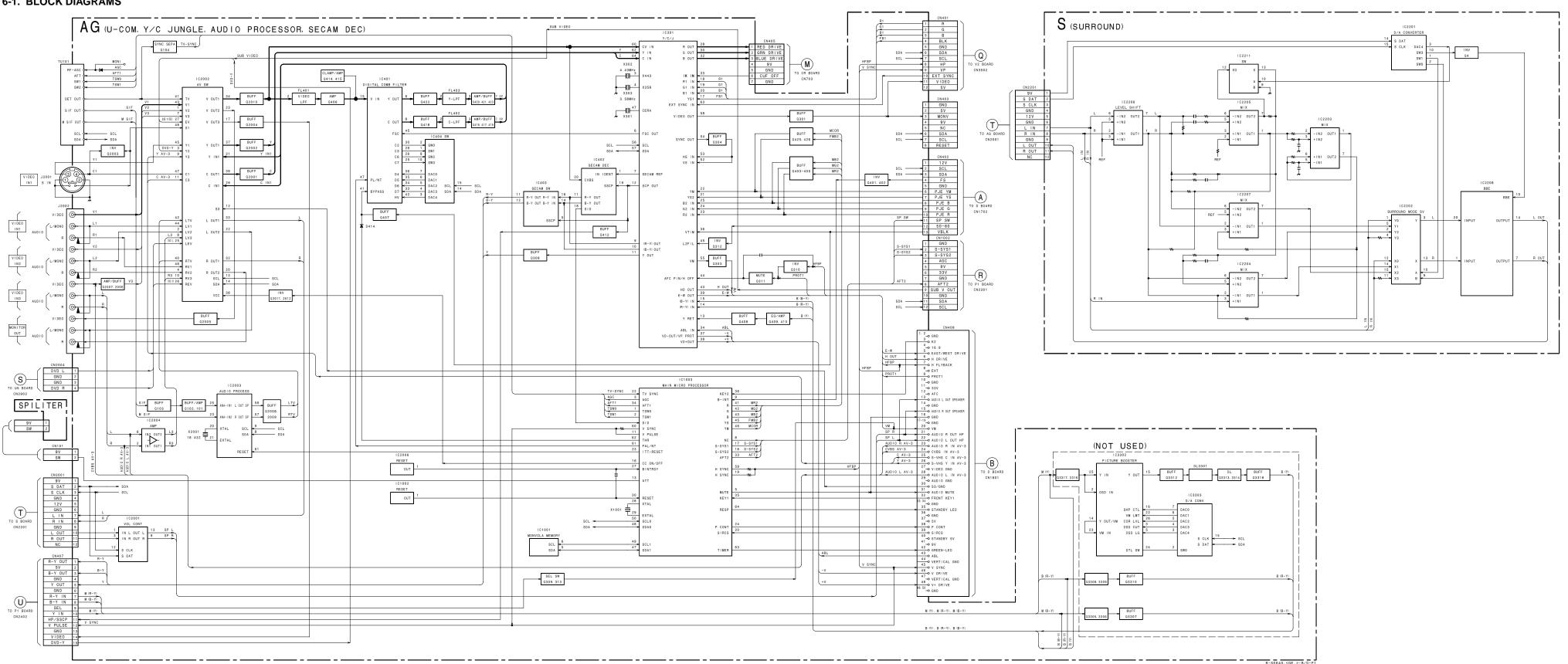
- 1. Input a NTSC color-bar.
- Set the following condition: PICTURE 100%, BRIGHTNESS 50%, COLOR 50%.
- 3. Connect an oscilloscope to the pin 3 (B OUT) of CN405, AG board.
- Select 37 SH1 with 1 and 4 of the commander by setting to Service Mode and adjust to VB1=VB2=VB3=VB4 with 3 and 6.
- 5. Select Video1.

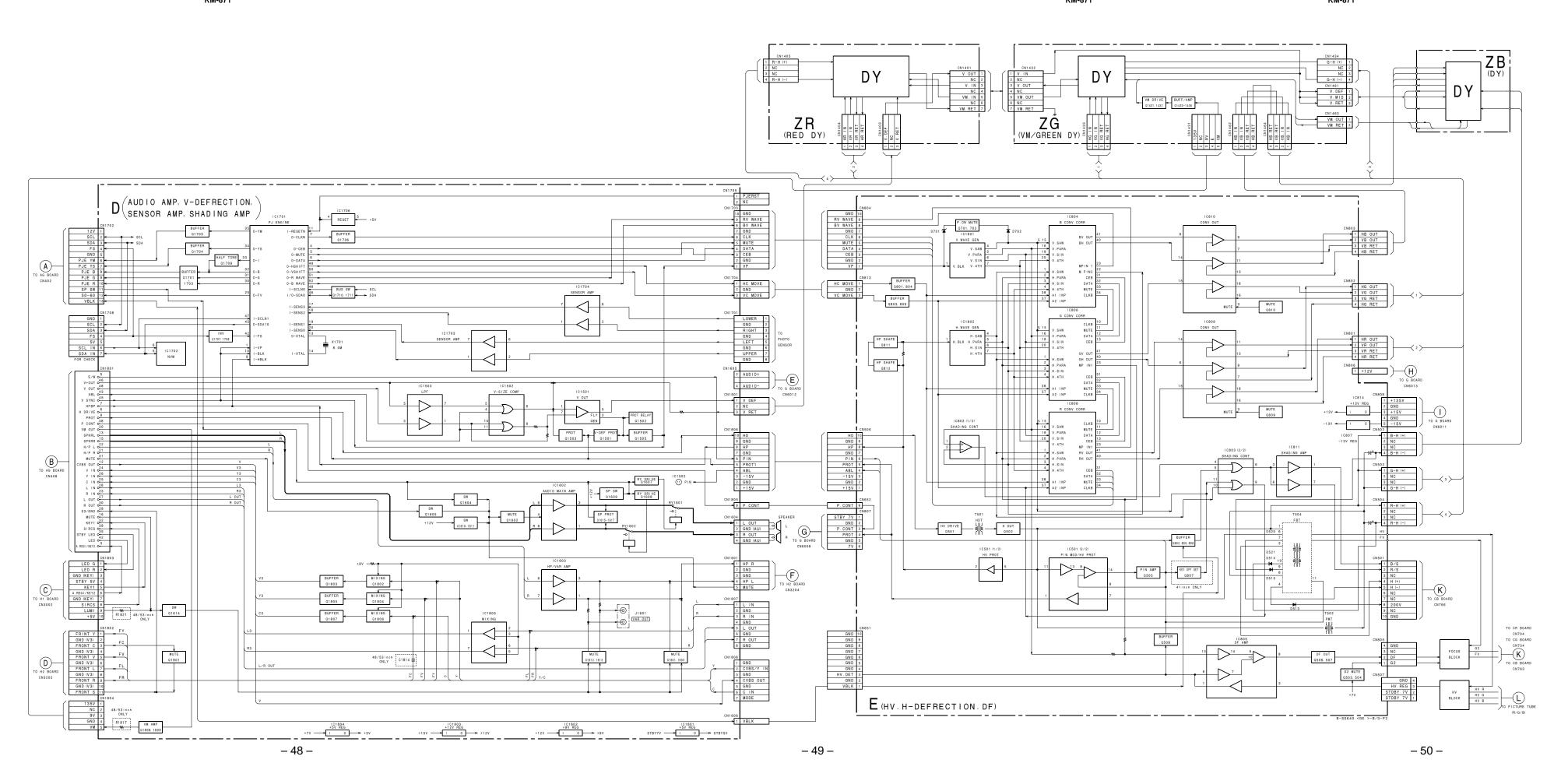


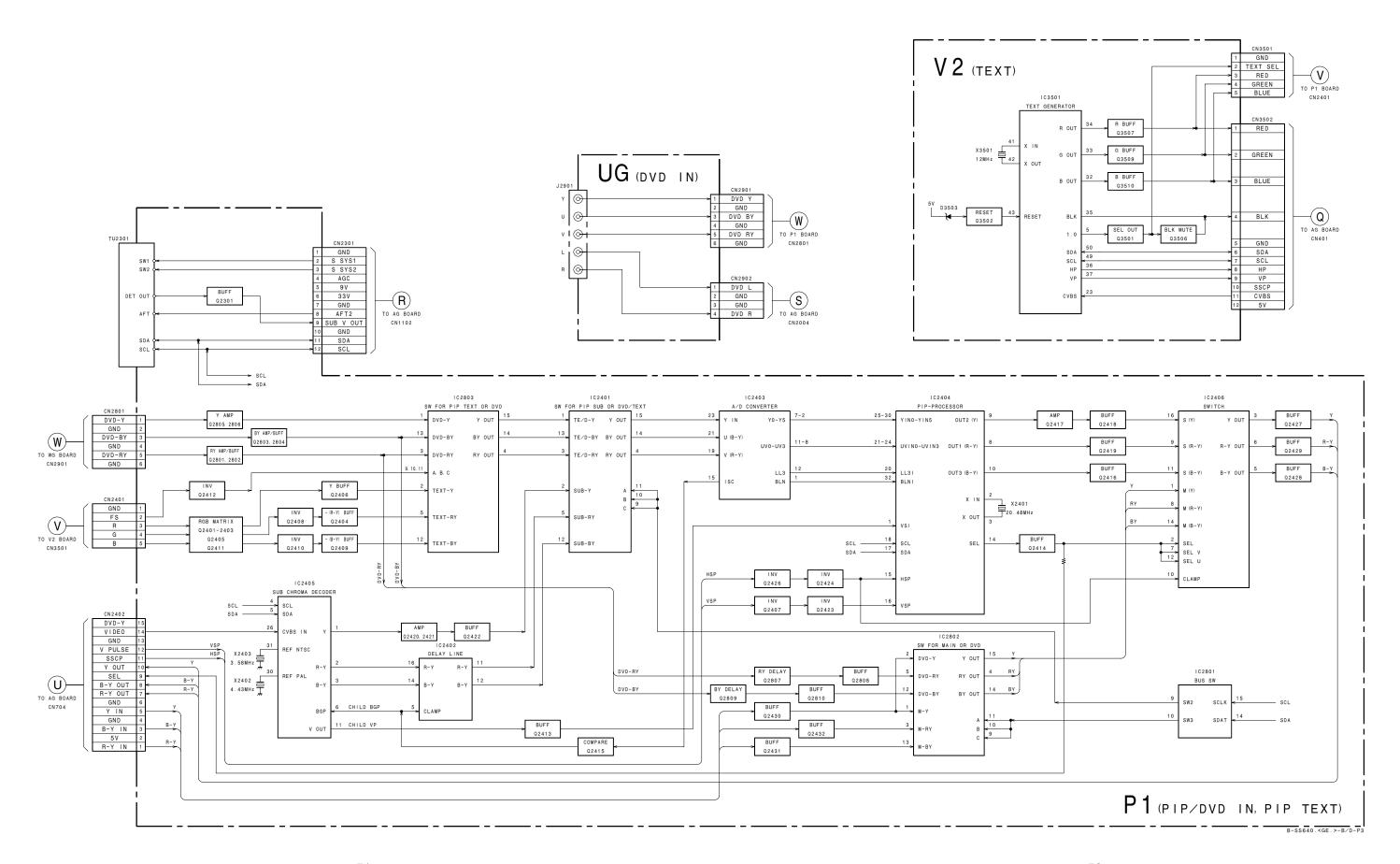
- 6. Input a PAL color-bar, video into video 1.
- 7. Adjust 38 SH2 as step 2 to 4, and then 3 step increase data of 38 SH2 data.
- 8. Press $\boxed{\text{MUTING}} \rightarrow \boxed{\textbf{0}}$ of the commander to write the data.

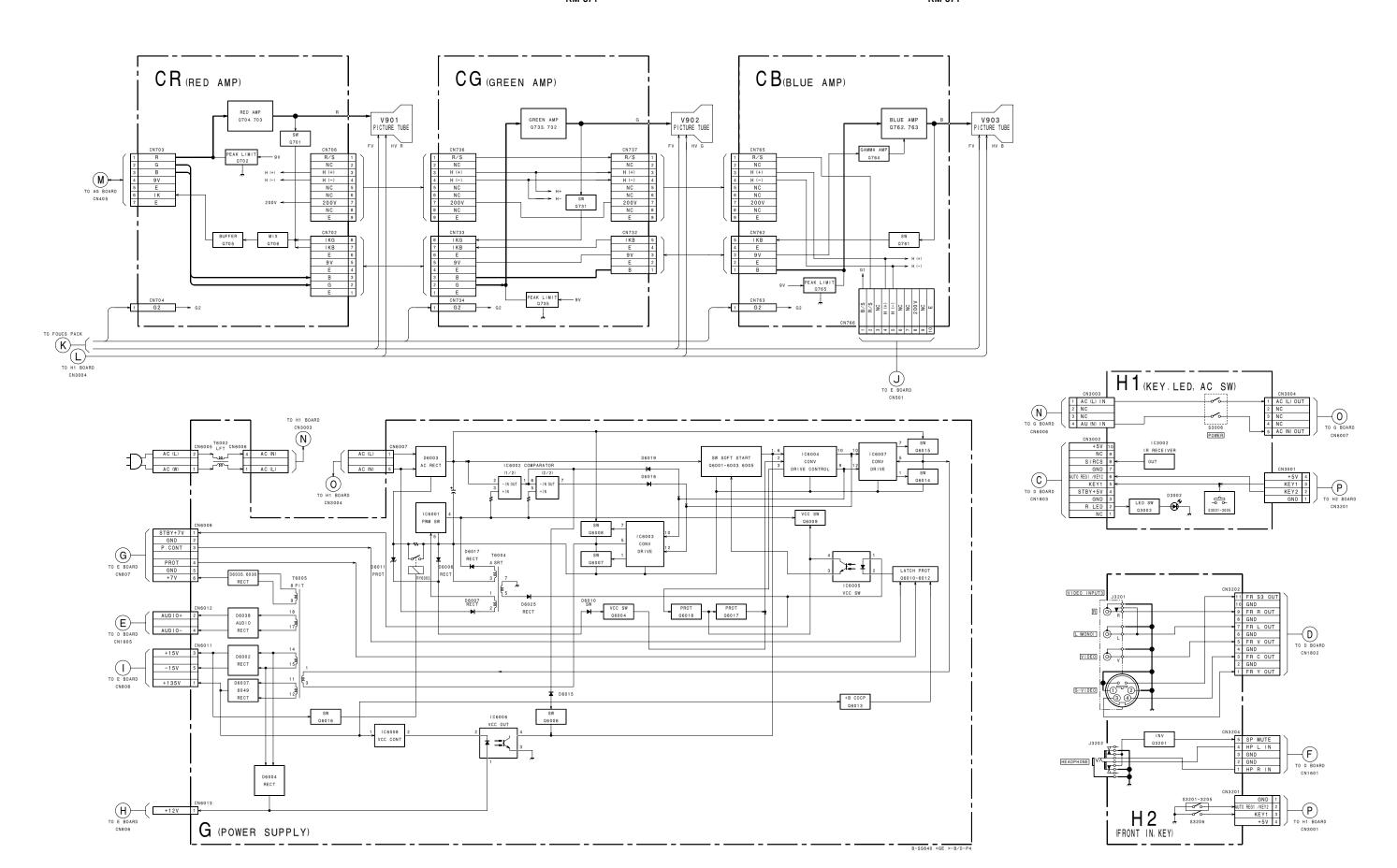
SECTION 6 DIAGRAMS

6-1. BLOCK DIAGRAMS

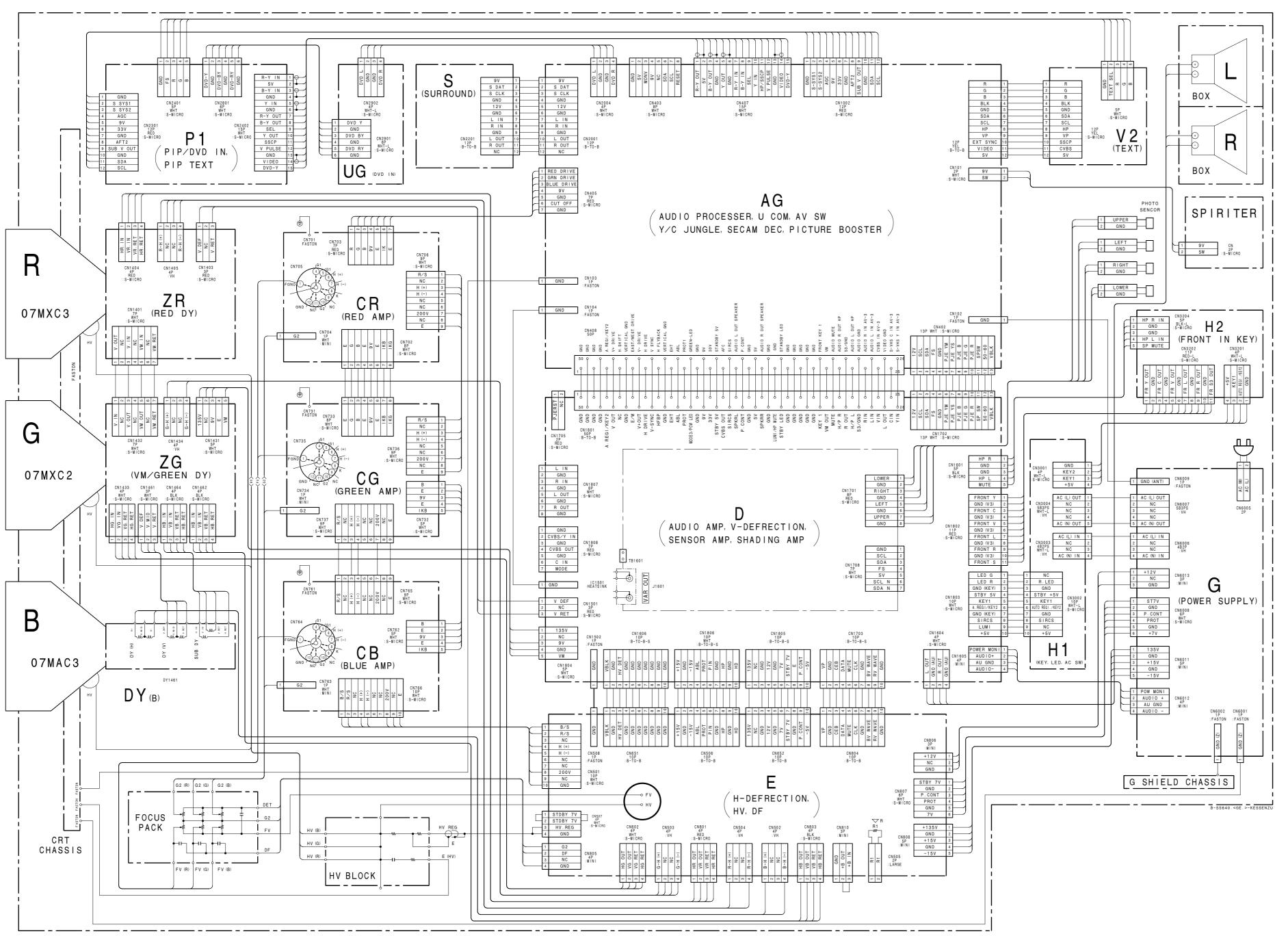




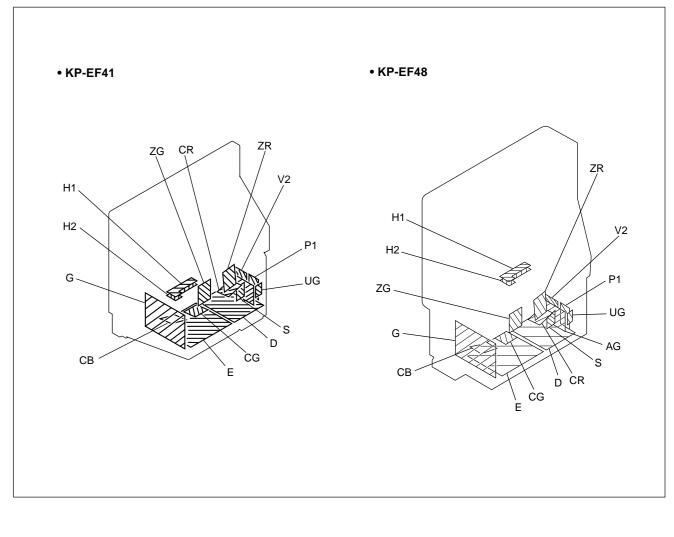




6-2. FRAME SCHEMATIC DIAGRAM



6-3. CIRCUIT BOARDS LOCATION



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AG [AUDIO PROCESSOR, μ COM, Y/C JUNGLE, SECAM DEC, PICTURE BOOSTER]

6-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

	~
•	All capacitors are in μF unless otherwise noted. (pF: $\mu\mu$
	Capacitors without voltage indication are all 50 V.
•	Indication of resistance, which does not have one for rati
	electrical power, is as follows.
	Pitch: 5 mm

Rating electrical power 1/4 W (CHIP: 1/10 W)

• All resistors are in ohms.

: nonflammable resistor.
: fusible resistor.
: internal component.
: panel designation, and adjustment for repair.

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

i earth-ground.

ii earth-chassis.
All voltages are in V.

Readings are taken with a 10 MΩ digital multimeter.
Readings are taken with a color-bar signal input.
Voltage variations may be noted due to normal production

tolerances.

 * : Can not be measured.

NO MARK: Common

 < > : SECAM

(): NTSC 3.58 MHz
Circled numbers are waveform references.
: B + bus.
: B - bus.

: ALR

• ÷ : Signal path.

Reference information RESISTOR : RN SOLID : RC NONFLAMMABLE CARBON NONFLAMMABLE FUSIBLE : FUSE NONFLAMMABLE WIREWOUND NONFLAMMABLE METAL OXIDE NONFLAMMABLE CEMENT : LF-8L MICRO INDUCTOR CAPACITOR TANTALUM : PS STYROL POLYPROPYLENE : MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE **BIPOLAR** : ALT HIGH TEMPERATURE

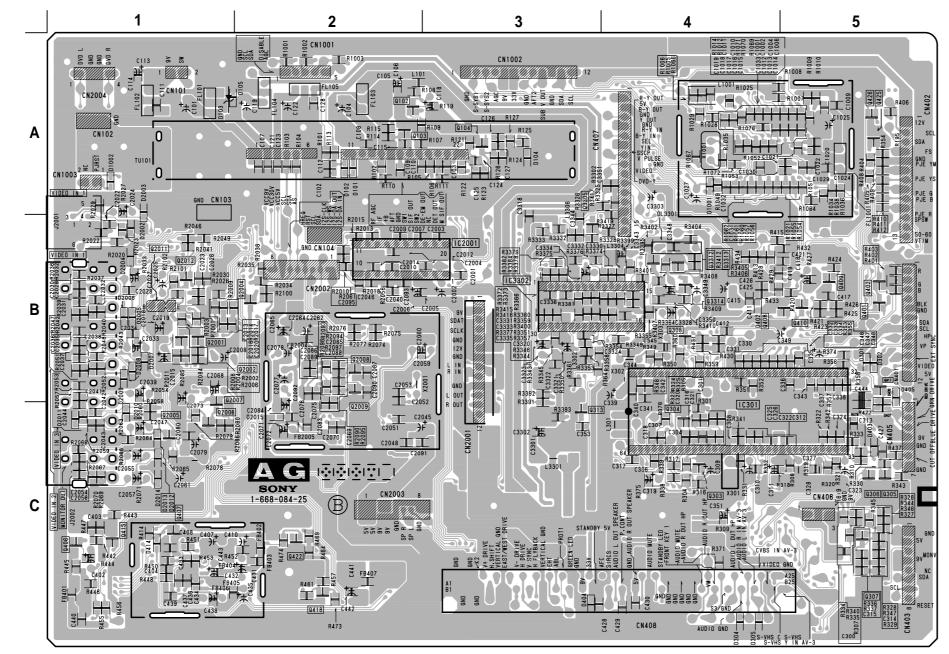
Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

HIGH RIPPLE

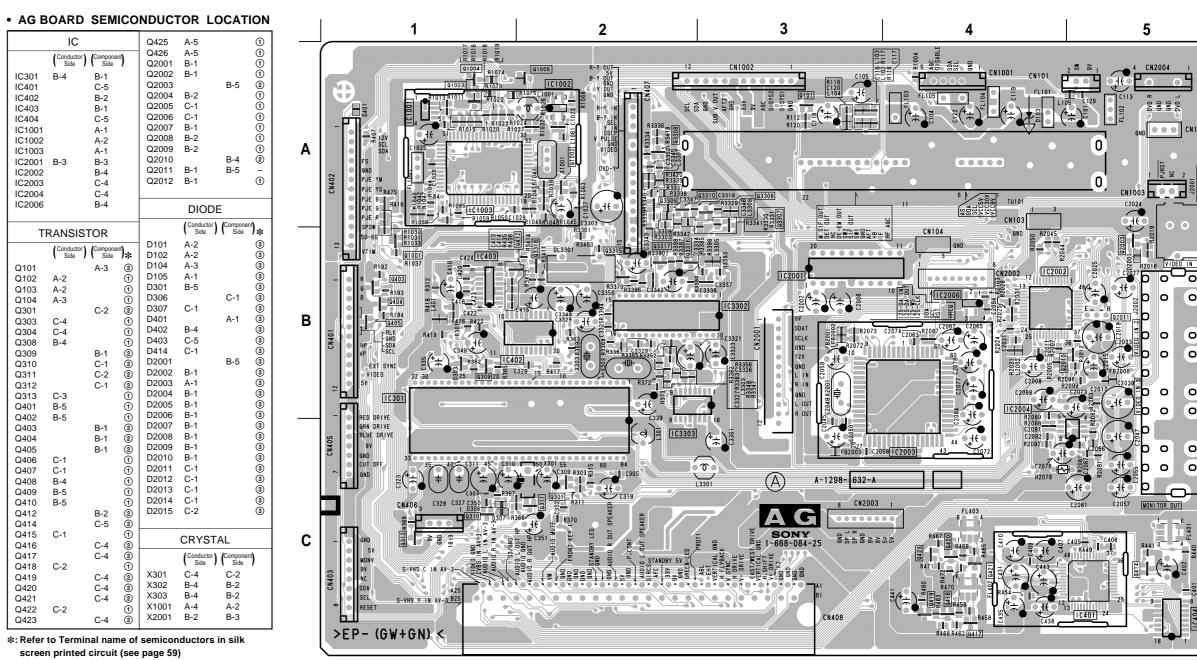
Terminal name of semiconductors in silk screen

	Device	Printed symbol	Terminal name	Circuit
1	Transistor	Ť	Collector Base Emitter	9 9
2	Transistor		Collector Base Emitter	
3	Diode	H	Cathode — Anode	, \$\displaystyle{\displaystyle}{\displaystyle}\$
4	Diode	Т	Cathode Anode (NC)	\$
(5)	Diode	_	Cathode Anode (NC)	
6	Diode	Т	Common Anode Cathode	. 9
7	Diode	_	Common Anode Cathode	
8	Diode	Т	Common Anode Anode	٩
9	Diode	_	Common Anode Anode	
10	Diode	T	Common Cathode Cathode	
11)	Diode	_	Common Cathode Cathode	
12	Diode	I	Anode Anode Cathode Anode Anode	
13	Transistor (FET)		Drain Source Gate	
14)	Transistor (FET)	F	Drain Source Gate	50-F 60-F 80 80
15)	Transistor (FET)	I	□ Source □ Drain □ Gate	S S S
16	Transistor		☐ Emitter ☐ Collector ☐ Base	
17)	Transistor	++	C2 B1 E1 E2 B2 C1	B10 062 B10 0E2
18	Transistor	++	C1 B2 E2 E1 B1 C2	C10 OC2
19	Transistor		C1 B2 E2 E1 B1 C2	B10 B2
20	Transistor		C1 B2 E2 E1 B1 C2	B10 0E2 C10 0C2
21)	Transistor	_	E2 B1 E1 C2 C1(B2)	C1(B2)O OC2 B1O E2O OE2
22	Transistor	_	B1 E1 E2 C1 C2	B10 C10 OC2
23	Transistor		E2 E1 B1 C2 C1	E1(B2) Q QC2

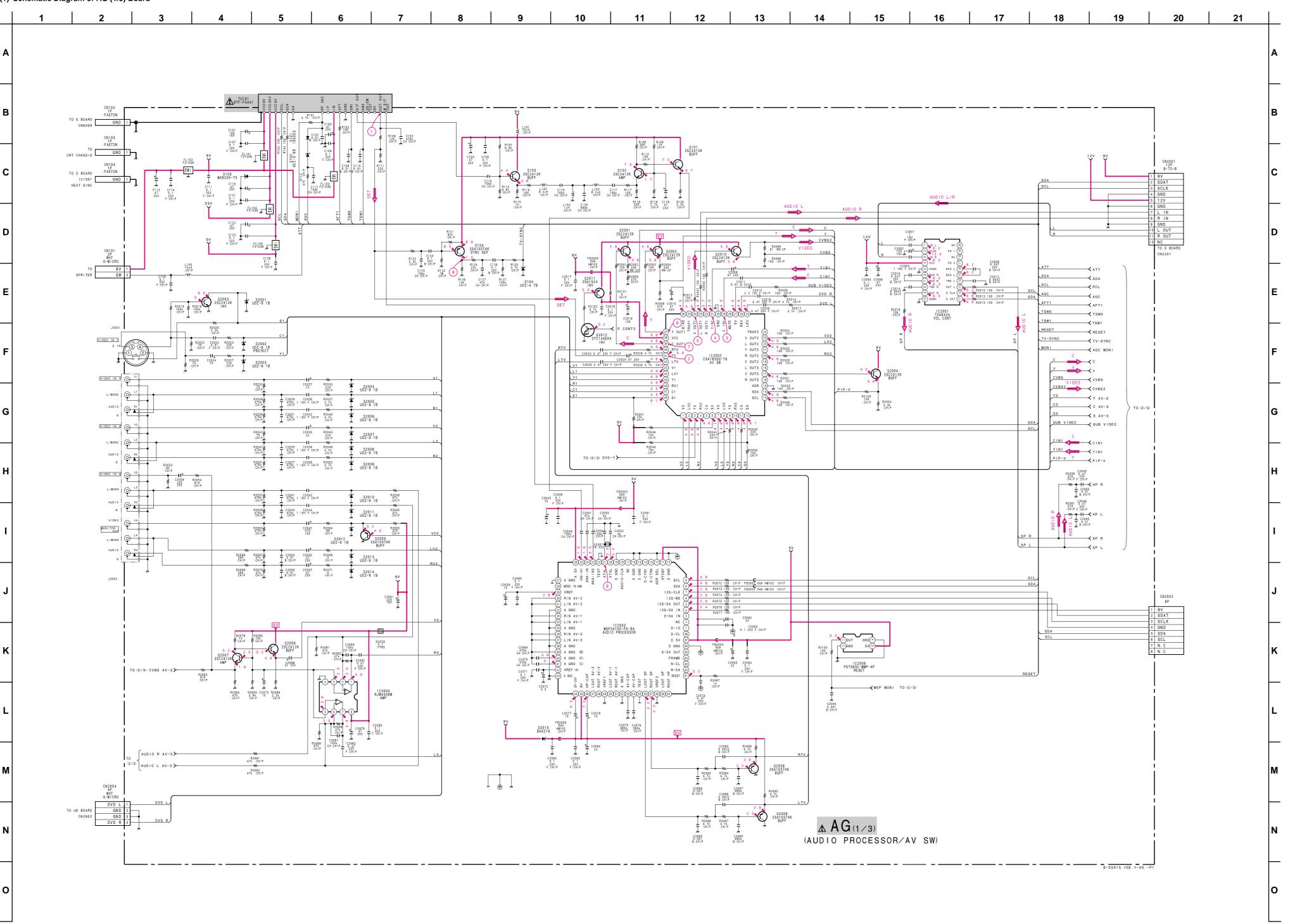
- AG BOARD (Conductor Side) -



— AG BOARD (Component Side) —



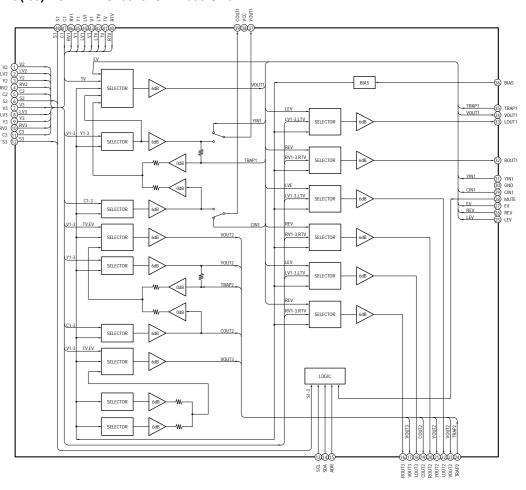
-60 - -61 -



• AG (1/3) BOARD WAVEFORMS

1 PAL	① NTSC	1 SECAM	② PAL	② NTSC	② SECAM
		" Louis Loui			" Louising Livings
1.4 Vp-p (H)	1.6 Vp-p (H)	1.5 Vp-p (H)	0.9 Vp-p (H)	1.0 Vp-p (H)	1.0 Vp-p (H)
3 PAL	(3) NTSC	3 SECAM	(4) PAL	(4) NTSC	(4) SECAM
**************************************	-44	Lauren Louren	المسماليسيل		Things things
0.9 Vp-p (H)	1.5 Vp-p (H)	2.2 Vp-p (H)	1.5 Vp-p (H)	1.8 Vp-p (H)	1.7 Vp-p (H)
5 PAL	5 NTSC	5 SECAM	6 PAL	6 NTSC	6 SECAM
		"Lound tour	المسماليسي		Things think
1.8 Vp-p (H)	2.0 Vp-p (H)	1.7 Vp-p (H)	1.5 Vp-p (H)	1.7 Vp-p (H)	1.7 Vp-p (H)
7 PAL	7 NTSC	7) SECAM	8	9	
**************************************	-11	Thirth things			
0.9 Vp-p (H)	1.6 Vp-p (H)	2.3 Vp-p (H)	1.4 Vp-p (18.432 MHz)	8.4 Vp-p (H)	

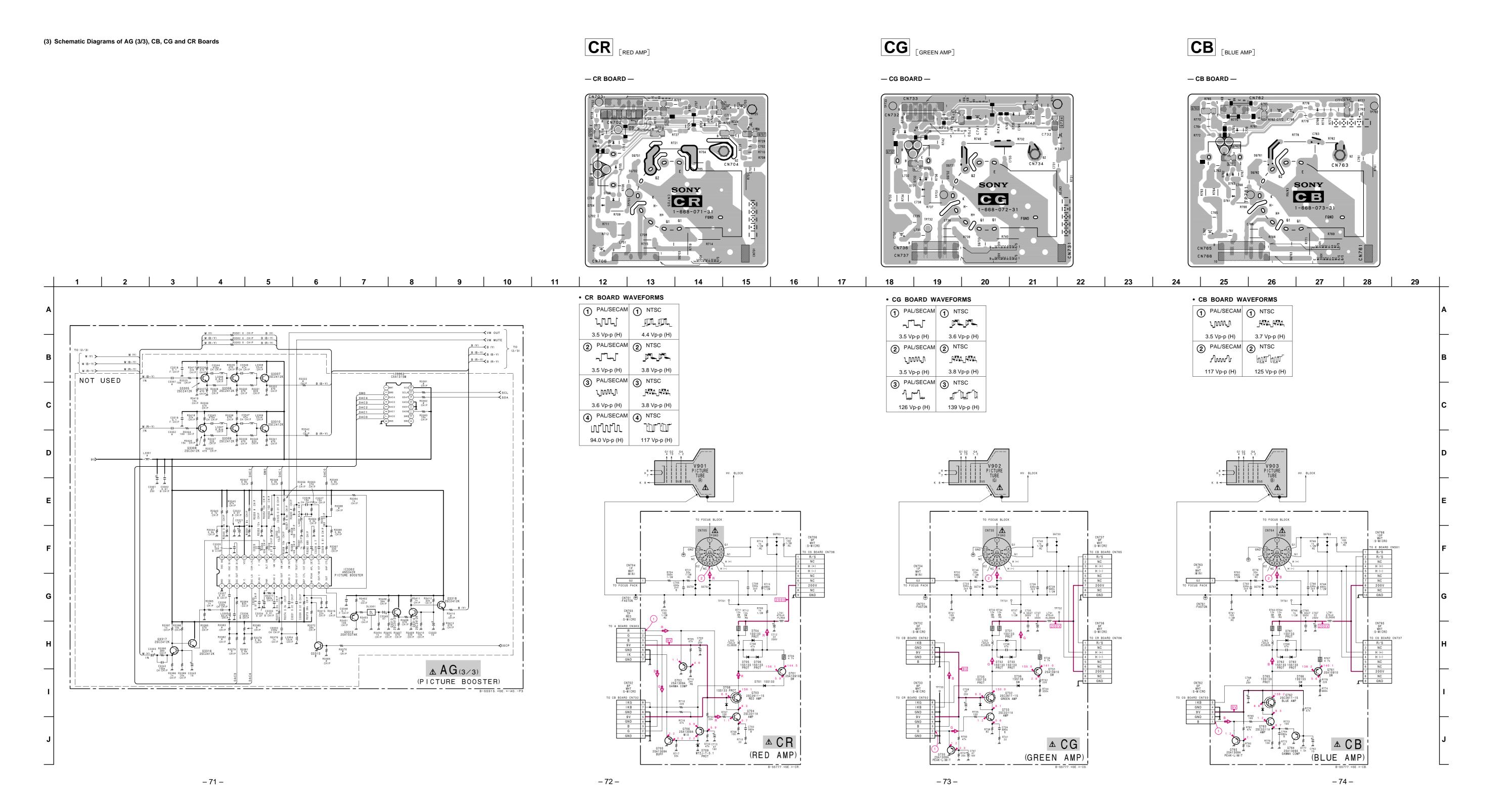
AG(1/3) BOARD : IC20023 CXA1855Q-T6



- 69 -

- 68 -

− 70 **−**

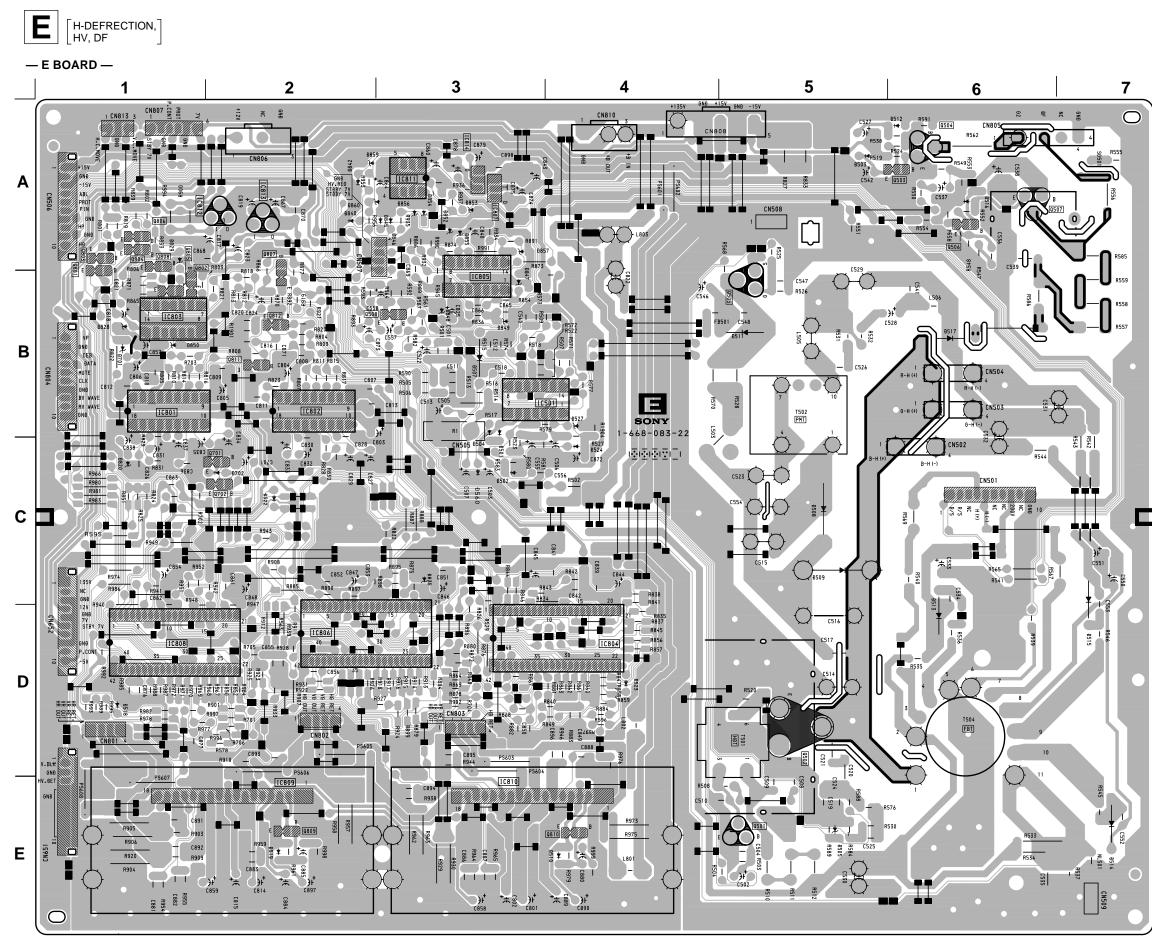


- 76 -

E board →

− 75 **−**

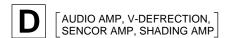
− 78 −



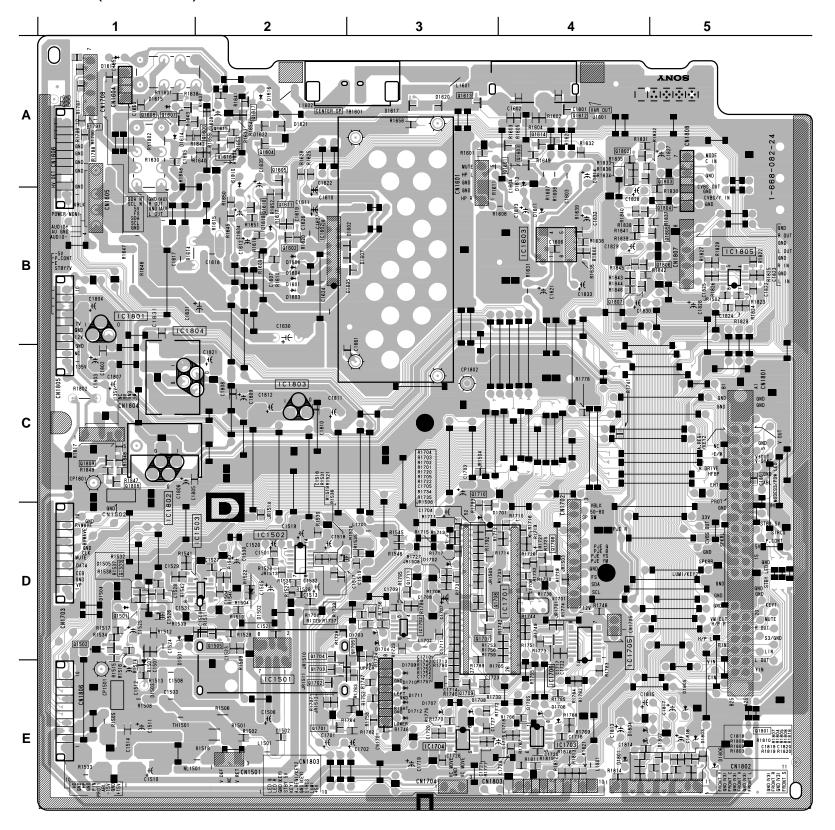
• E BOARD SEMICONDUCTOR LOCATION

IC	Q810 Q811	E-4 B-2		
IC501 B-3 IC801 B-1	Q812	B-2		
IC802 B-2 IC803 B-1	ı	DIODE		
IC804 D-4 IC805 B-3			*	
IC806 D-2	D501	B-3	- 1	
IC808 D-2	D502	C-3	-	
IC809 E-2	D503	A-5	-	
IC810 E-3	D504	B-3	-	
IC810 E-3	D507	B-3	-	
IC812 A-2	D508	C-5	- 1	
IC812 A-2	D509	C-5	-	
10013 A-2	D510	E-4	-	
	D511	B-5	-	
	D512	A-6	- 1	
TRANSISTOR	D513	C-6	- 1	
110.01010101	D514	E-7	-	
*	D515	C-7	- 1	
Q501 E-5	D517	B-6	- 1	
Q501 E-5 Q502 D-5	D519	E-2	- 1	
Q502 D-5 Q503 A-6	D520	C-7	- 1	
Q503 A-6 Q504 A-6	D521	C-6	- 1	
Q504 A-6 Q505 B-5	D522	C-2	- 1	
Q505 B-5 Q506 A-6	D523	D-4	- 1	
Q506 A-6	D524	C-4	- 1	
Q701 C-2	D527	B-4	-	
Q701 C-2 Q702 C-2	D701	B-1	- 1	
Q801 A-1	D702	C-2	- 1	
Q801 A-1 Q802 B-1	D820	C-1	_	
Q803 A-1	D829	A-1	_	
Q803 A-1 Q804 A-1	D835	C-3	_	
Q804 A-1 Q805 B-1	D840	A-3	_	
	D842	A-3	_	
Q806 A-1 Q807 A-2	D845	A-3	_	
Q807 A-2 Q808 A-1	D846	A-3	_	
Q808 A-1 Q809 E-2				
Q009 E-Z				

^{*:} Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)



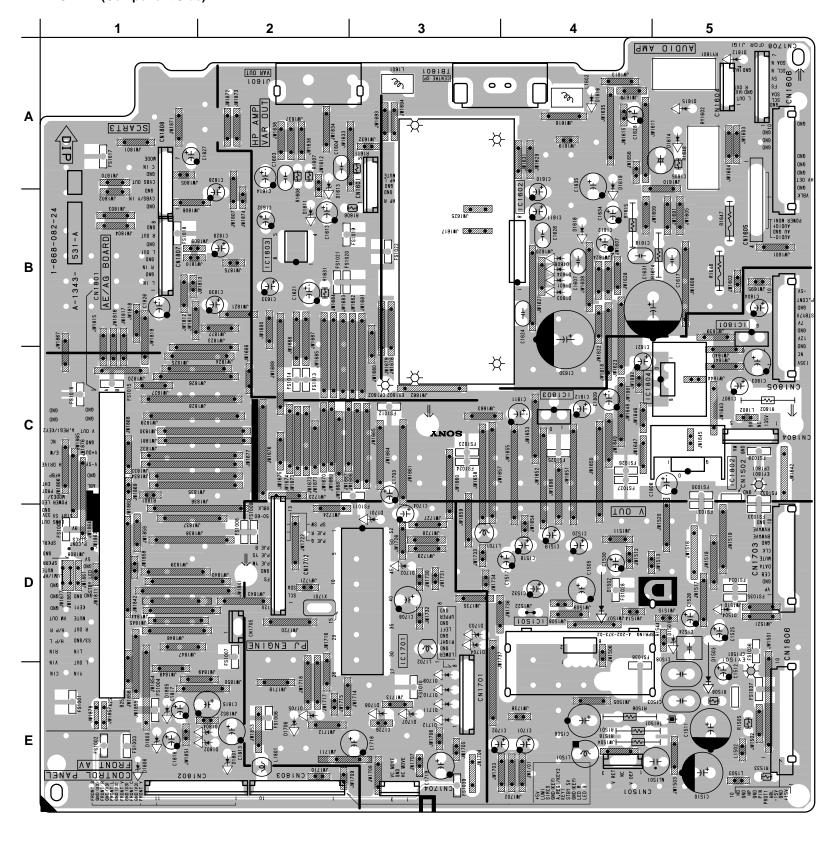
— D BOARD (Conductor Side) —

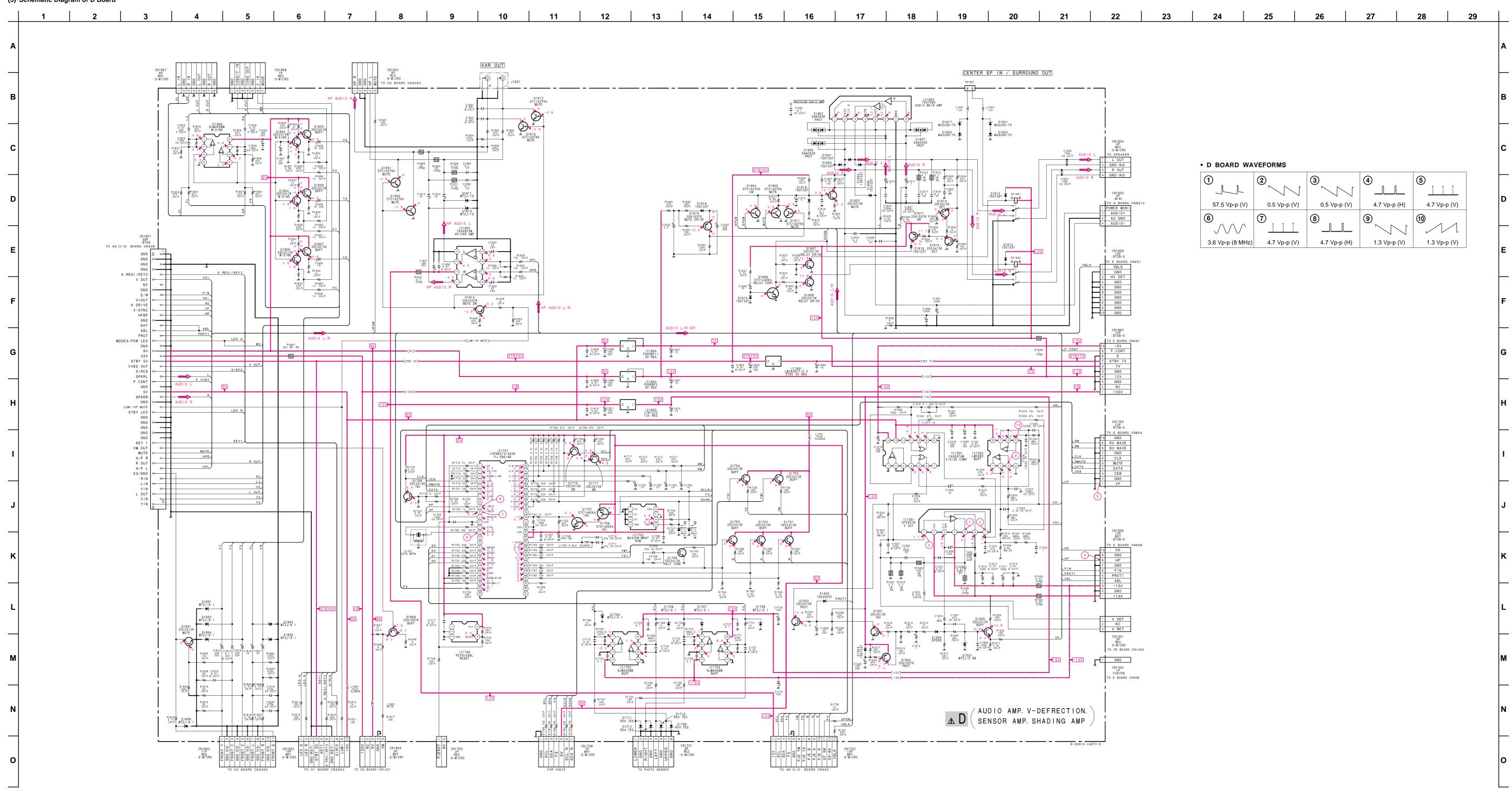


C1706	4 ① 4 ① 4 ① 4 ① 4 ① 4 ① 4 ①
C1503 D-2	4 ①
Class Clas	4 ①
C1704 E-3 C1706 D-4 C1801 B-1 B-5 C1802 C-1 C-5 C1803 C-2 C-4 C1804 C-1 C-4 C1805 B-5 C1802 C-1 C-4 C1805 B-5 C1802 C-1 C-4 C1805 B-5 C1802 C1805	1 ①
C1801 B-1 B-5 C1802 C-1 C-5 C1803 C-2 C-4 C1804 C-1 C-4 C1805 B-5 C1804 C-1 C-4 C1805 B-5 C1804 C-1 C-4 C1805 C-2 C-4 C	DIODE
IC1803 C-2 C-4 D1501 D-1601 D-1601 D-1502 D-1503 D-1503 D-1503 D-1504 D-1505 D-1505 D-1505 D-1601 B-1505 D-1604 B-1502 D-1606 B-1502 D-1 D-1606 B-1502 D-1 D-1611 B-1503 D-1 D-1612 A-1505 D-2 D-1613 A-1506 B-2 D-1615 A-1506 B-2 D-1615 A-1506 A-2 D-1616 A-1506 A-2 D-1616 A-1506 A-2 D-1617 A-1605 A-2 D-1618 B-1506 B-15	onductor (Component)
TRANSISTOR (Conductor) (Component) ★ D1601 B-D16004 B-D16004 B-D16004 B-D16005 B-D16006 B-D	2 D-4 – 1 D-5 – 1 D-5 –
Conductor Component	2 B-4 –
Q1607 A-1 ① D1619 A- Q1608 A-1 ① D1620 A- Q1609 A-2 ① D1621 A- Q1610 B-2 ① D1622 A- Q1611 B-2 ① D1703 D- Q1612 A-4 ① D1704 D- Q1613 A-3 ① D1705 E- Q1614 A-4 ① D1706 E- Q1615 A-2 ① D1707 E- Q1616 A-2 ① D1708 E- Q1617 A-2 ① D1709 E- Q1701 E-2 ① D1710 E- Q1702 E-2 ① D1711 E- Q1703 E-2 ① D1801 E- Q1704 D-2 ① D1802 E- Q1705 D-2 ① D1803 E- Q1706	2 B-4 - 2 B-4 - 4 B-2 - 1 A-5 - 1 A-5 - 1 A-5 - 2 A-4 - 3

screen printed circuit (see page 59)

— D BOARD (Component Side) —

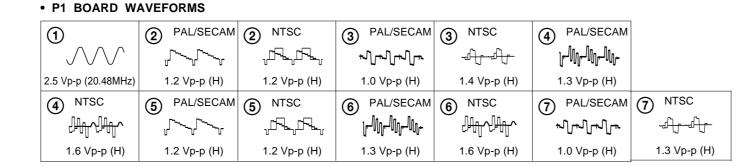




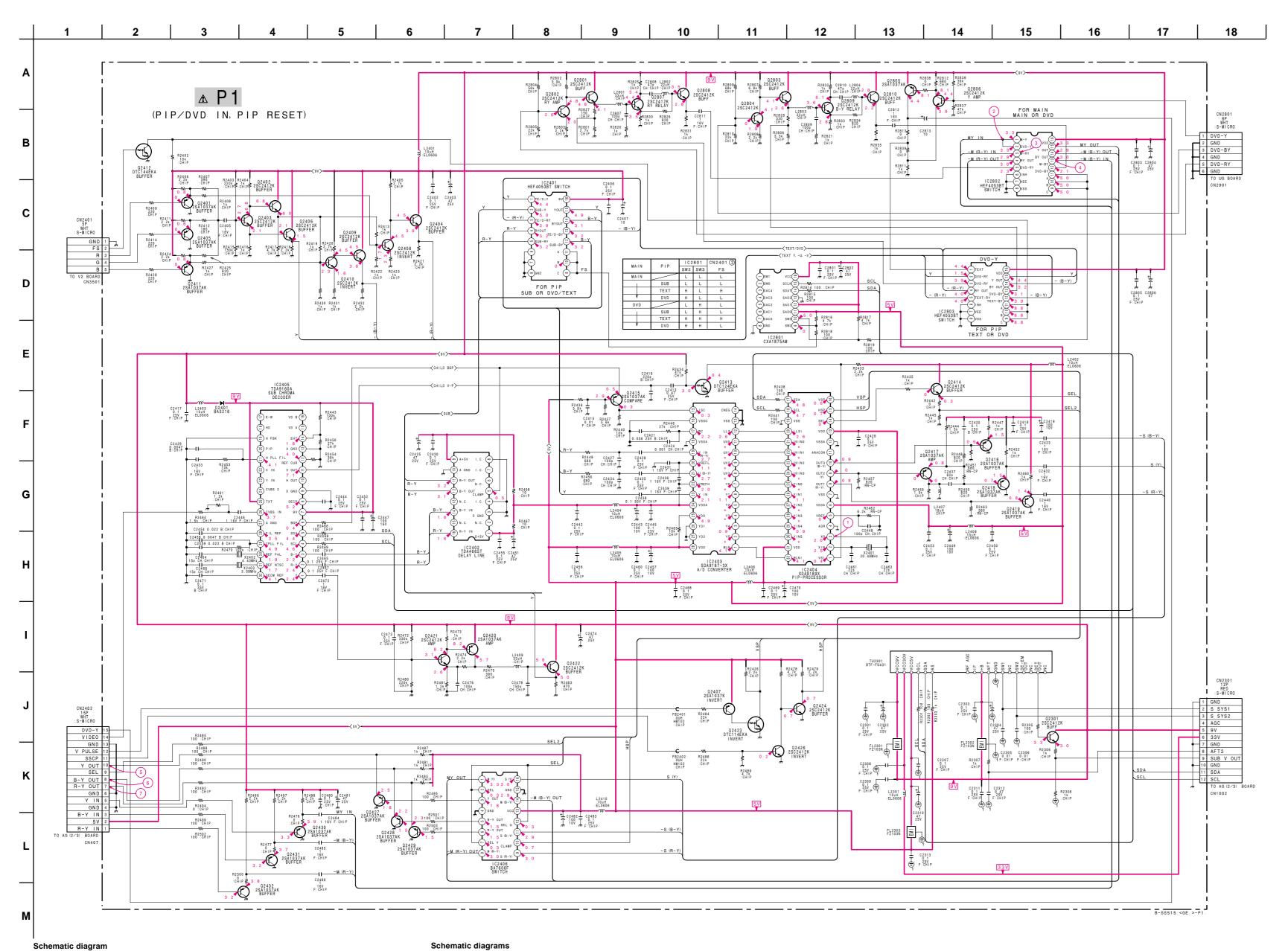
- 86 -

Schematic diagram

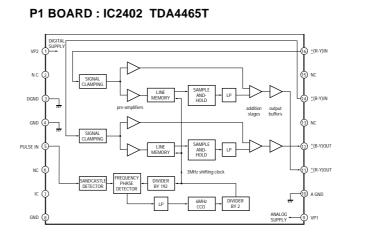
← D board

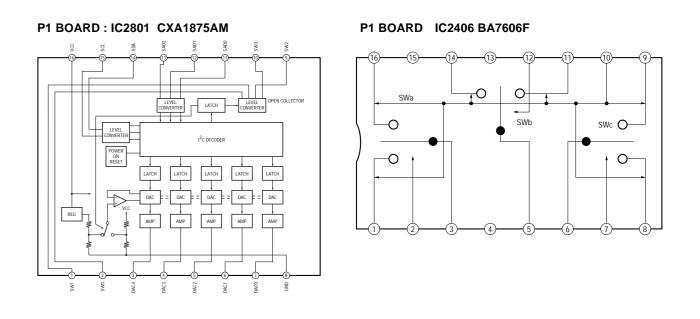


- 90 -

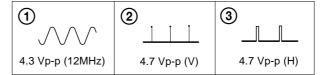


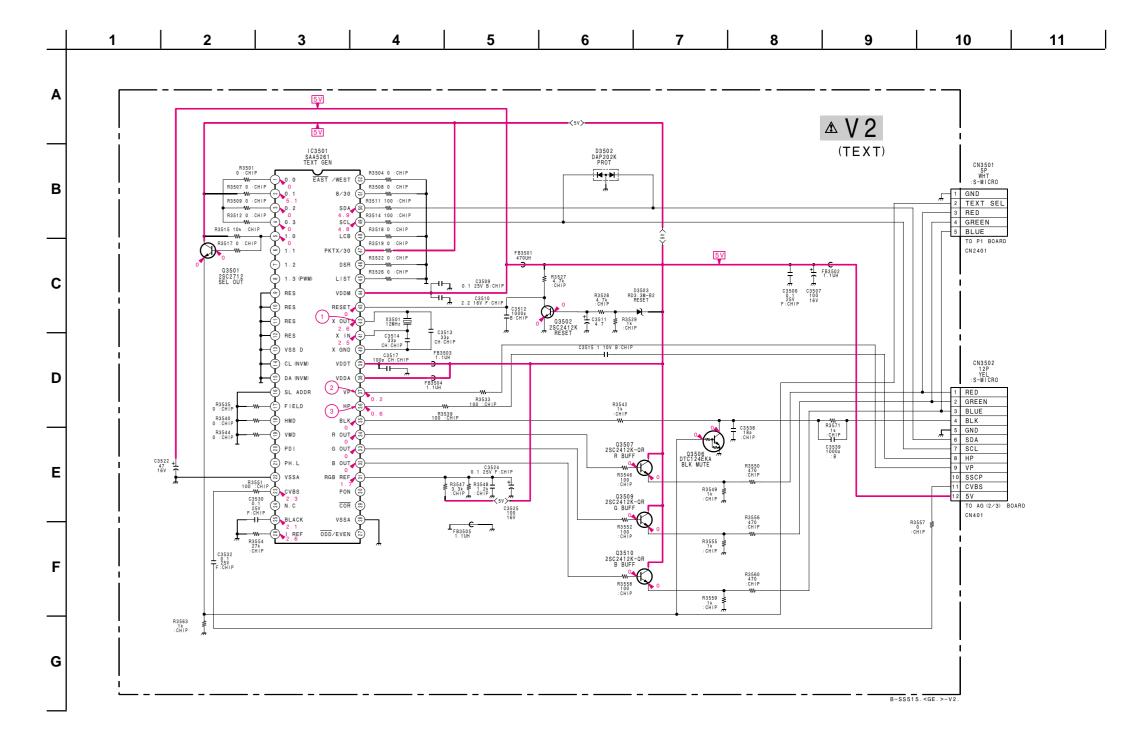
P1 V2 board →





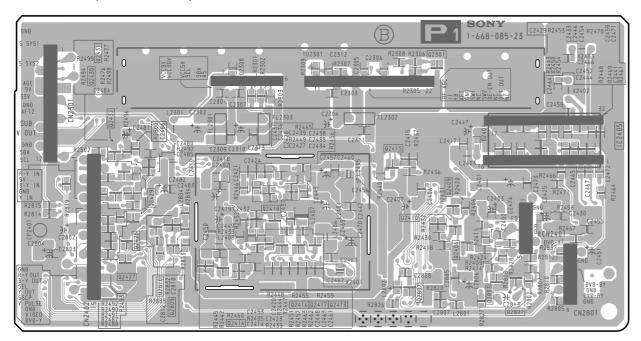




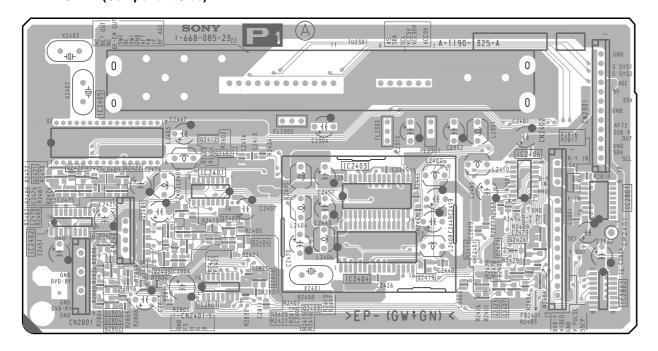




- P1 BOARD (Conductor Side) -

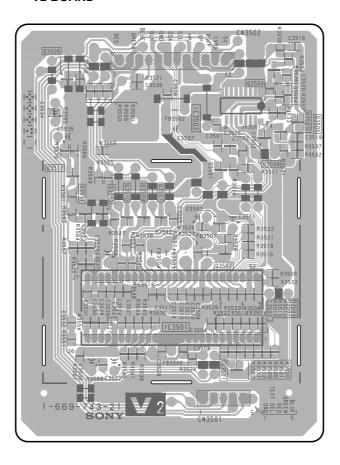


— P1 BOARD (Component Side) —





— V2 BOARD —



V2 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

Ref.	*
D3502	100
D3503	4
Q3501, Q2502, Q3506, Q3507, Q3509, Q3510	•

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)

P1 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

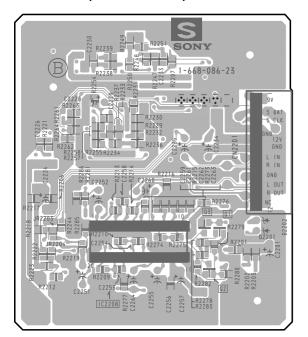
Ref.	*
D2401	3
Q2301, Q2406, Q2409, Q2410, Q2413-Q2418, Q2427-Q2432, Q2801, Q2803, Q2807, Q2809, Q2810	•
Q2401-Q2405, Q2407, Q2408, Q2411, Q2412, Q2419-Q2424, Q2426, Q2802, Q2804-Q2806, Q2808	3

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)

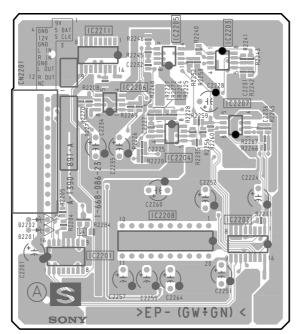
RM-871



- S BOARD (Conductor Side) -



- S BOARD (Component Side) -

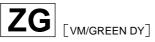


S BOARD Terminal name of semiconductors

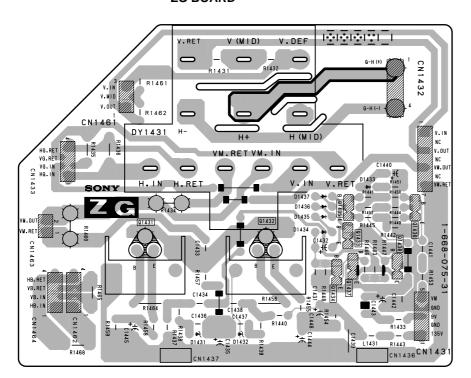
in silk screen printed circuit (*)

Ref.	*
Q4	2

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)

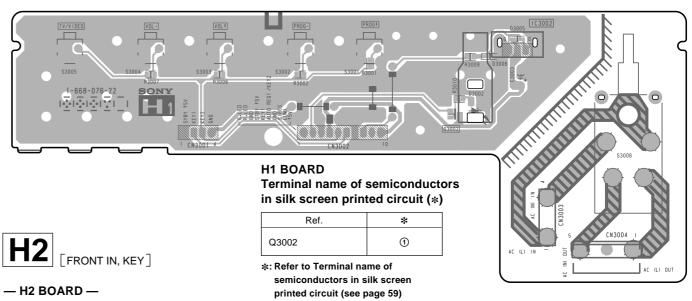


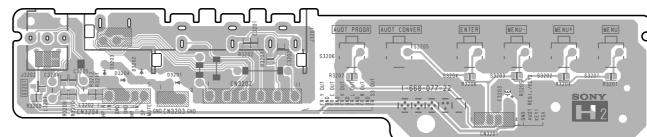
- ZG BOARD -

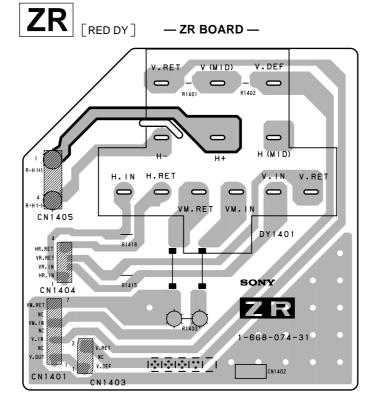




- H1 BOARD -



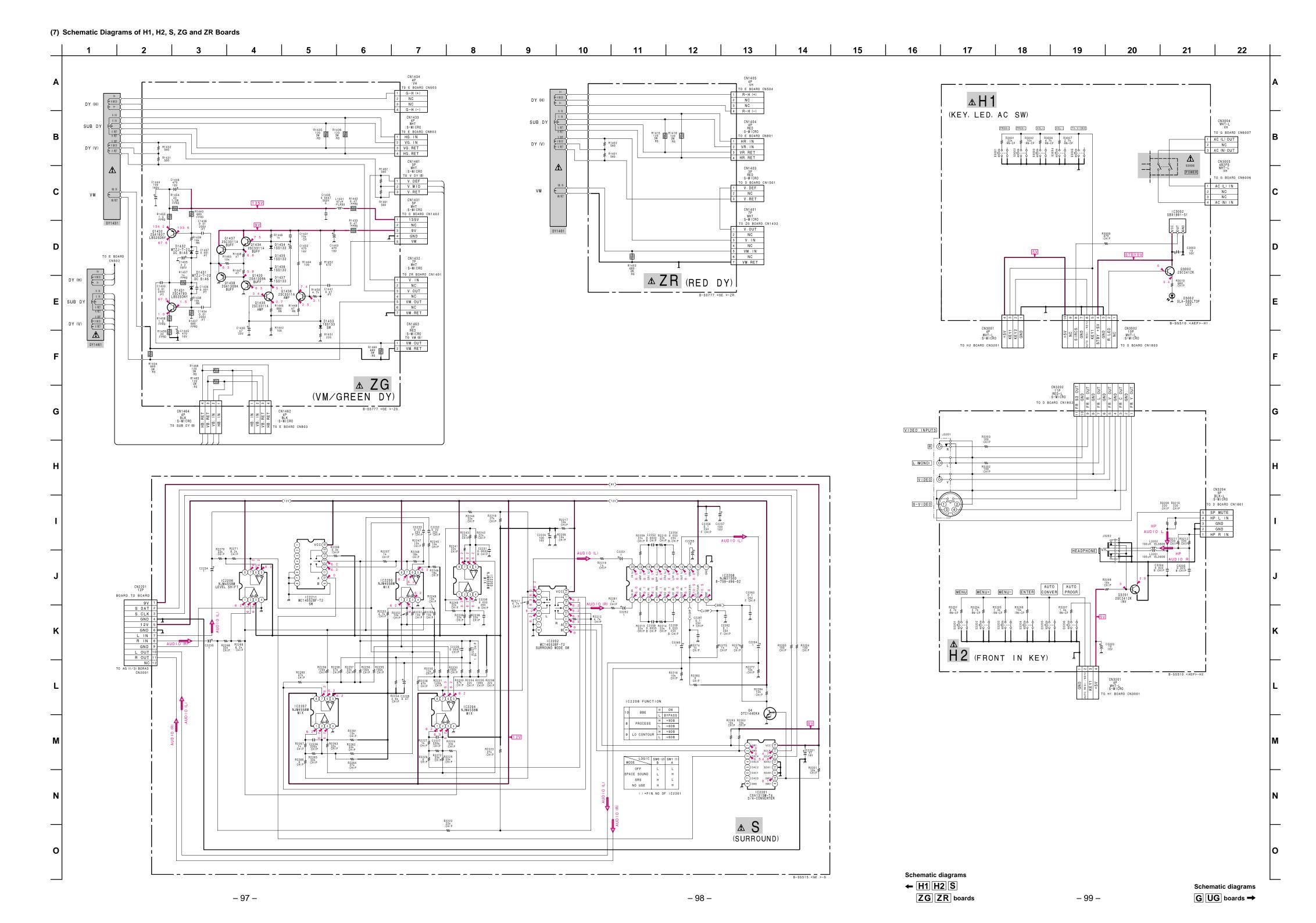


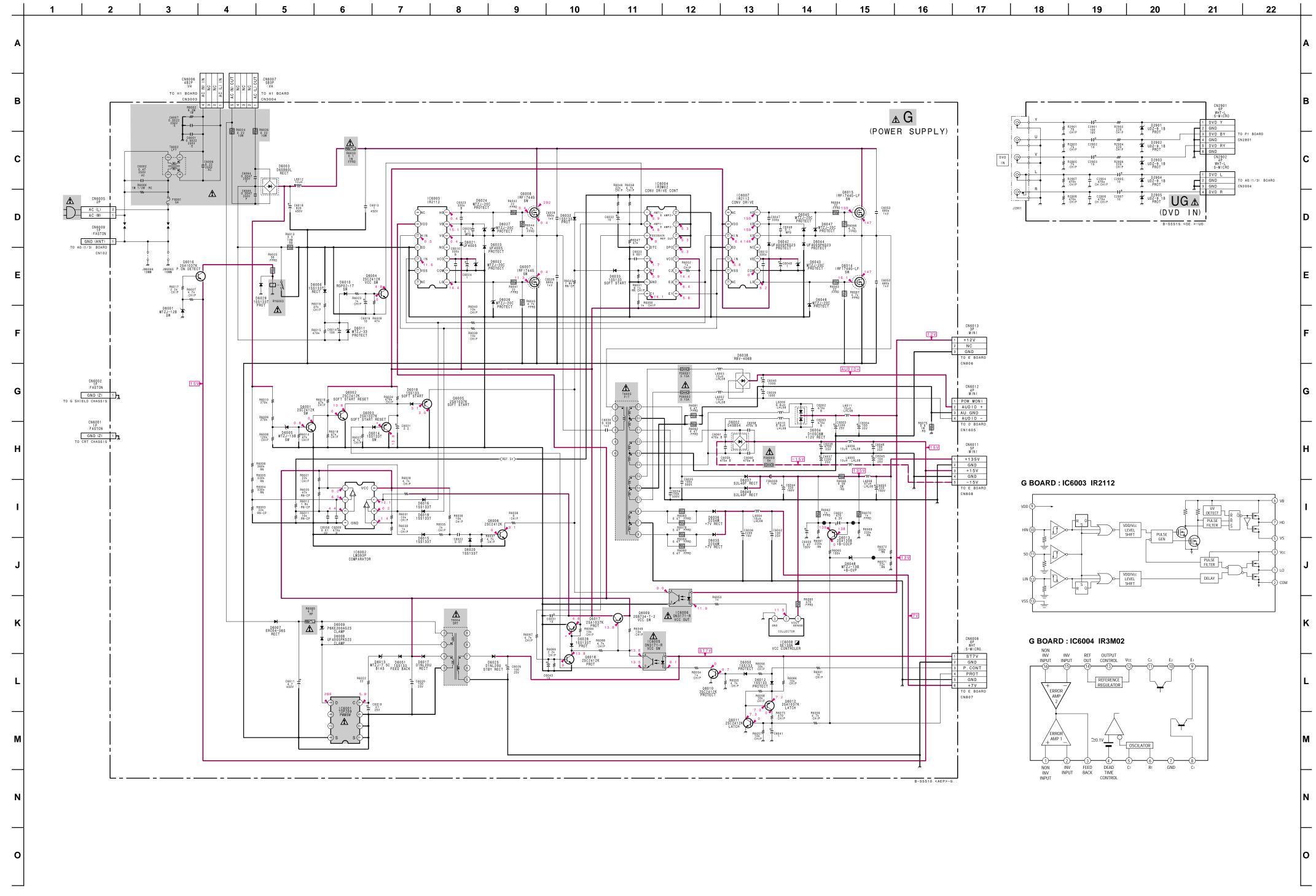


H2 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

Ref.	*
Q3201	①

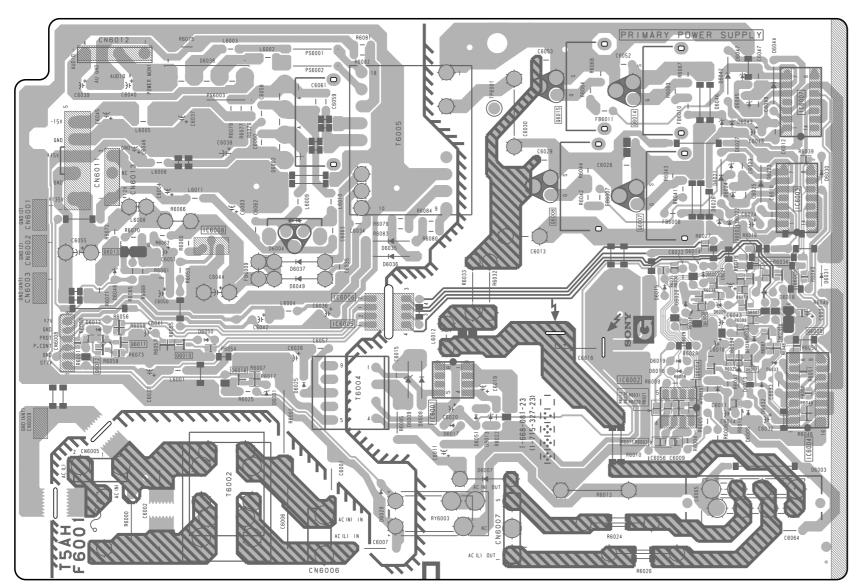
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)







— G BOARD —



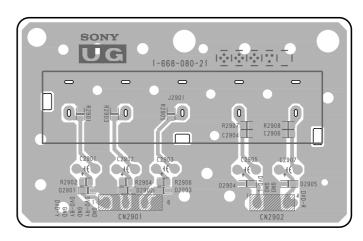
G BOARD Terminal name of semiconductors in silk screen printed circuit (*)

Ref.	*
Q6001-Q6006, Q6010-Q6012.	①
Q6016-Q6018	o o

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)



— UG BOARD —



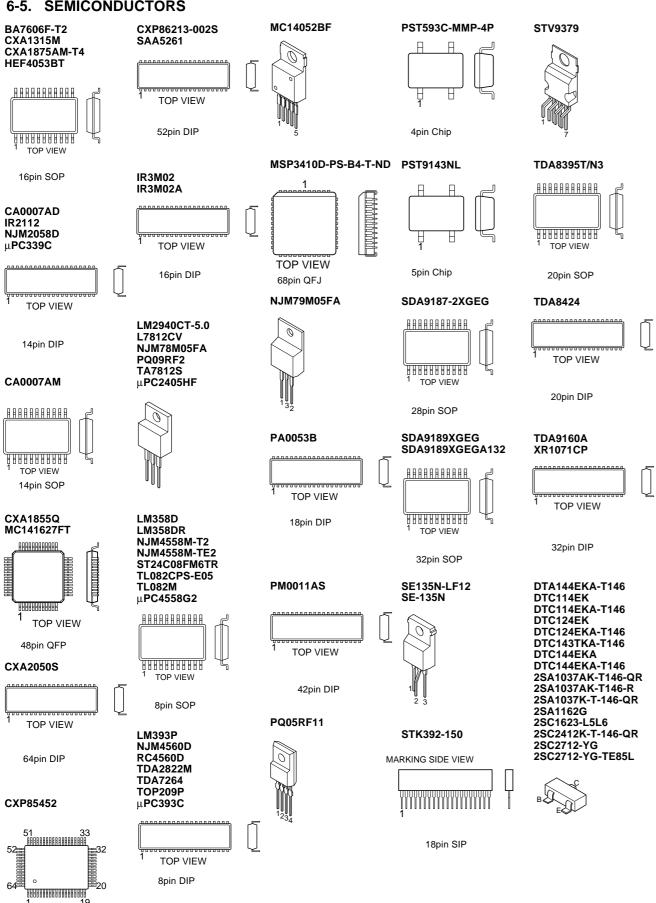
UG BOARD Terminal name of semiconductors in silk screen printed circuit (*)

Ref.	*
D2901-D2905	3

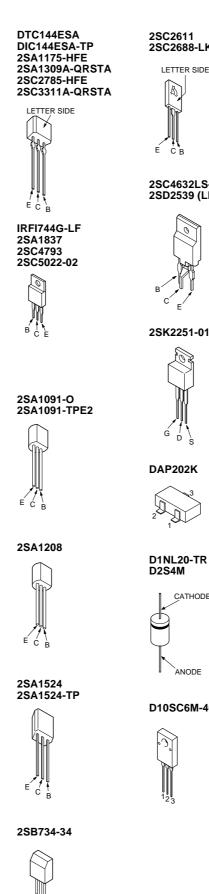
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 59)

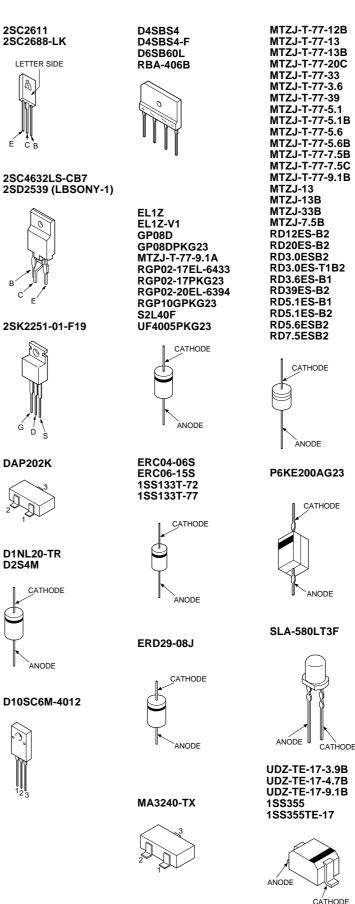
6-5. SEMICONDUCTORS

TOP VIEW









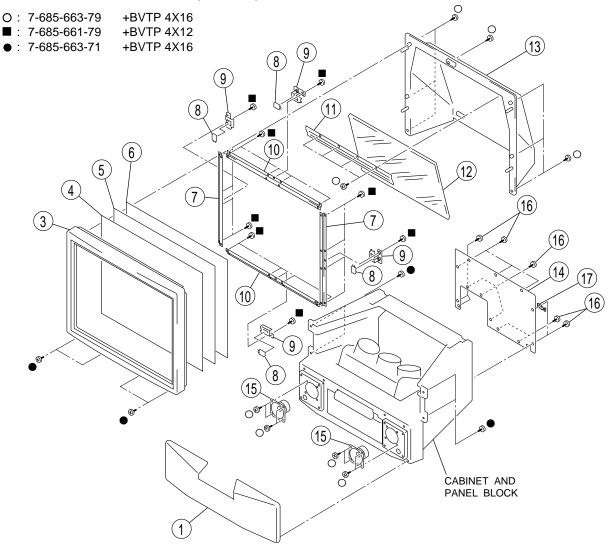
SECTION 7 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

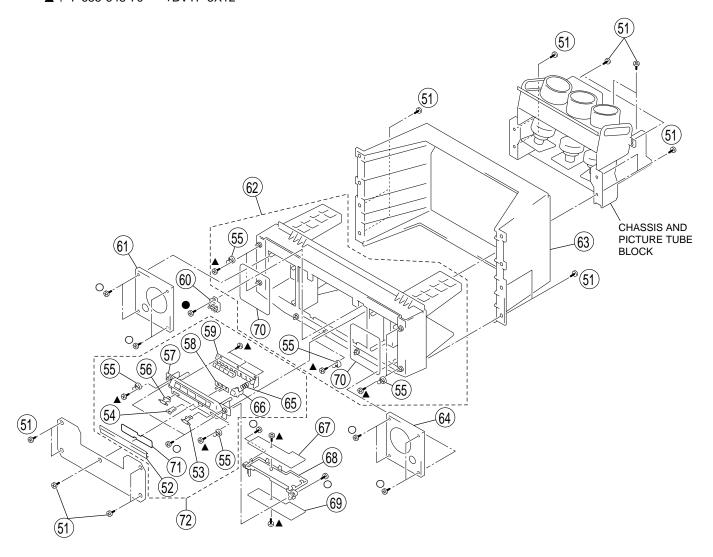
7-1. SCREEN AND COVER BLOCK (KP-EF41)



REF. N	O. PART NO.	DESCRIPTION	REMARK	REF. N	IO. PART NO.	DESCRIPTION	REMARK
1 3		GRILLE ASSY (41), SPEAKER BEZNET ASSY		11	* 4-066-129-01	HOLDER, MIRROR	
4	4-063-365-11	SCREEN, CONTRAST		12	4-066-117-01	MIRROR (41)	
5	4-070-236-11	PLATE (L), DIFFUSION		13	* 4-066-151-11	COVER, MIRROR	
6	4-070-358-11	PLATE (F), DIFFUSION		14	* 4-066-148-01	BOARD (41), REAR	
				15	1-505-426-21	SPEAKER (10.6CM)	
7	* 4-066-126-01	HOLDER (V), SCREEN		16	4-378-522-31	SCREW, TAPPING, HEXAGON HE	EAD
8	1-528-864-11	BATTERY, SOLAR					
9	* 4-066-132-01	HOLDER, SENSOR		17	3-703-319-01	PURSE LOCK (DIA.15)	
10	* 4-066-125-01	HOLDER (H), SCREEN		i		, ,	

7-2. CABINET AND PANEL BLOCK (KP-EF41)

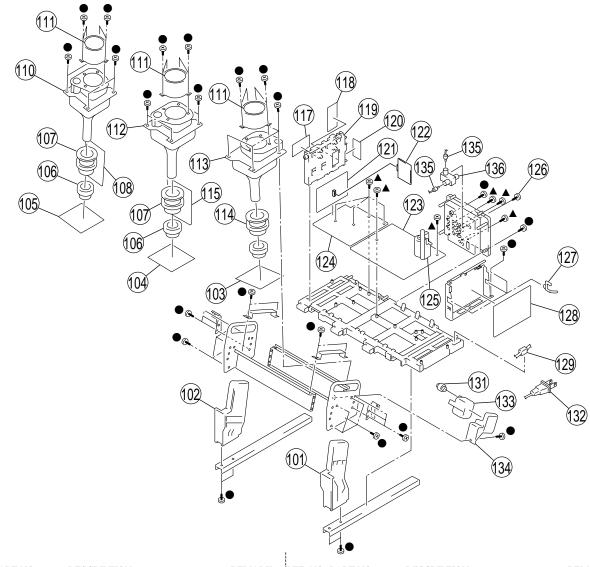
O: 7-685-663-79 +BVTP 4X16 •: 7-685-663-71 +BVTP 4X16 ▲: 7-685-648-79 +BVTP 3X12 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.	NO. PART NO.	DESCRIPTION	REMARK	REF. N	O. PART NO.	DESCRIPTION	REMARK
51 52 53	4-378-522-31 4-066-140-31 4-045-250-21	SCREW, TAPPING, HEXAGON HEADOOR DAMPER	.D	63 64 65		CABINET ASSY, REAR BOARD (R), BAFFLE SPRING, COMPRESSION	
54 55	4-047-464-01 4-843-806-00	CATCHER, PUSH STRIKE		66	4 066 121 21	BUTTON, POWER	
33		STRIKE		67	* A-1372-518-A	H1 BOARD, MOUNT	
56	3-703-035-11	SHAFT, LID		68	* 4-066-133-02		
57	4-066-136-21	PANEL, CONTROL		69	* A-1375-177-A	H2 BOARD, COMPLETE	
58	4-066-130-01	GUIDE, LIGHT		70	* 4-066-106-01	SPACER (SP)	
59	4-066-141-21	BUTTON, MULTI					
60	₾ 1-223-925-11	RESISTOR ASSY (FCOUS PACK)		71	4-006-112-21	LABEL, CONTROL	
				72	X-4038-376-1	PANEL ASSY, CONTROL	52-59,65,66,71
61	* 4-066-145-01	BOARD (L), BAFFLE					
62	X-4038-378-1	CABINET ASSY, FRONT	55,70				

7-3. CHASSIS AND PICTURE TUBE BLOCK (KP-EF41)

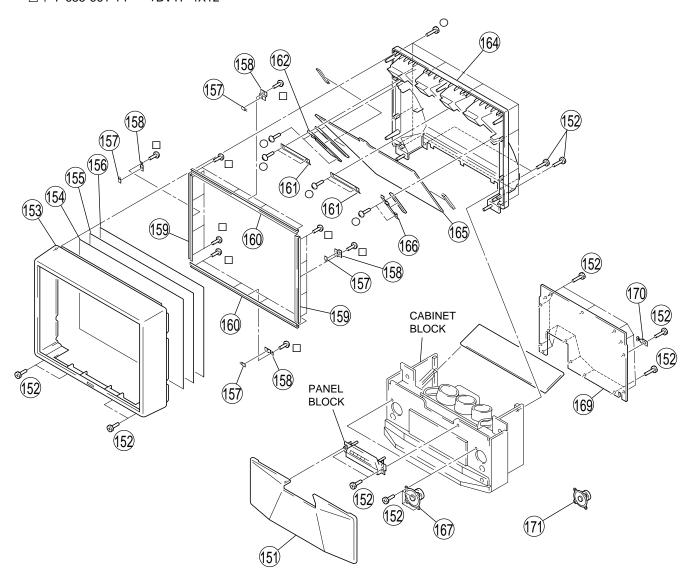
● : 7-685-663-71 +BVTP 4X16 ▲ : 7-685-648-79 +BVTP 3X12 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



				1	<u> </u>		
REF.	NO. PART NO.	DESCRIPTION	REMARK	REF. N	O. PART NO.	DESCRIPTION	REMARK
101 102 103 104	* 4-066-134-01 * A-1332-127-A	STAY (R), SIDE STAY (L), SIDE CB BOARD, MOUNT CG BOARD. MOUNT		121 122	* A-1299-365-A	AG BOARD, COMPLETE (EF41M AG BOARD, COMPLETE (EF41M S BOARD, MOUNT	
105		CR BOARD, MOUNT		123 124	* A-1346-764-A	E BOARD, COMPL D BOARD, COMPL	
106 107 108	△ 1-451-454-41	NECK ASSY DEFLECTION YOKE (G)(R) ZR BOARD, BOARD, MOUNT		125 126	△ 1-453-331-21 4-382-854-11	FBT ASSY NX-4012//M3T4 SCREW (M3X10), P, SW (+)	
110 111	△ A-1501-775-A	MECHASEAL ASSY(R), SLIM LENS (DELTA 78)		127 128 129	* 4-316-015-00 * A-1316-394-A 4-022-115-00	HOLDER, WIRE G BOARD, COMPL HOLDER, AC CORD	
112 113 114	△ A-1501-777-A	MECHASEAL ASSY(G), SLIM MECHASEAL ASSY(B), SLIM DEFLECTION YOKE (B)		131	4-373-137-01 △ 1-574-062-61	CAP (Z), RUBBER CORD, POWER (WITH CONNEC	CTOR) EF41MN3,ME3)
115 117	* A-1391-079-A	ZG BOARD, MOUNT V2 BOARD, MOUNT			₾ 1-574-358-51	CORD, POWER (WITH CONNEC	,
118 119 120	* 4-066-142-02	PI BOARD, MOUNT TERMINAL BOARD UG BOARD, MOUNT		133 134 135 136	\$\times 8-598-955-13 \ *4-066-144-02 \ *1-555-400-00 \ 1-251-372-21	BLOCK ASSY, HV HVB-1030 HOLDER, HVR CABLE, PIN BOOSTER, RF	
				İ			

7-4. SCREEN AND COVER BLOCK (KP-EF48)

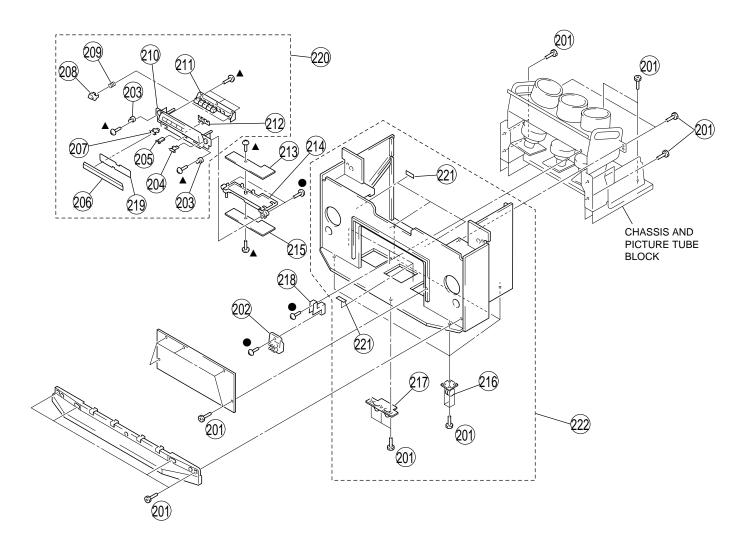
O: 7-685-663-79 +BVTP 4X16 □: 7-685-661-14 +BVTP 4X12



REF. N	O. PART NO.	DESCRIPTION	REMARK	REF. N	O. PART NO.	DESCRIPTION	REMARK
151 152 153 154 155	X-4038-382-1 4-378-522-31 X-4037-794-1 4-064-041-01 4-075-440-01	GRILLE ASSY, SPEAKER SCREW, TAPPING, HEXAGON HEA BEZEL (48) ASSY SCREEN (48), CONTRAST PLATE (48L), DIFFUSION	AD	161 162 164 165 166	4-075-234-01 * 4-076-705-01 * 4-076-707-11 4-069-918-01 * 4-076-706-01	HOLDER (TOP), MIRROR HOLDER (SL), MIRROR COVER (48), MIRROR MIRROR (48) HOLDER (SR), MIRROR	
156 157 158 159 160	4-058-455-11 1-528-864-11 * 4-066-132-01 * 4-064-051-01 * 4-064-052-01	PLATE (F), DIFFUSION BATTERY, SOLAR HOLDER, SENSOR HOLDER (V48), SCREEN HOLDER (H), SCREEN		167 169 170 171	1-529-643-11 4-079-662-01 3-703-319-01 1-529-403-11	SPEAKER (13CM) BOARD (48), REAR PURSE LOCK (DIA.15) SPEAKER (6.6CM)	

7-5. CABINET AND PANEL BLOCK (KP-EF48)

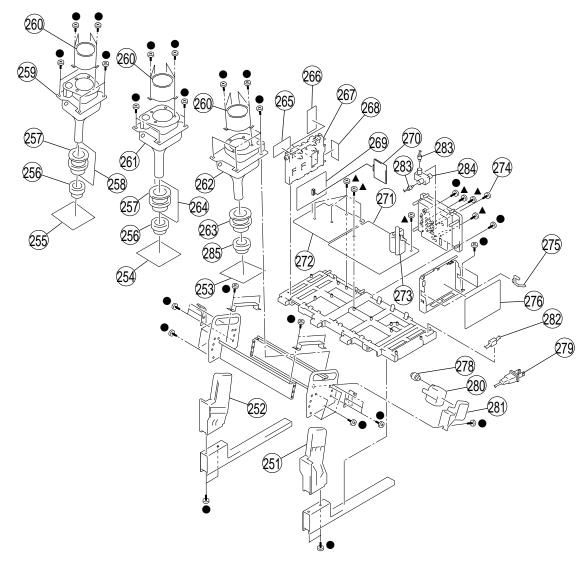
● : 7-685-663-71 +BVTP 4X16 ▲ : 7-685-648-79 +BVTP 3X12 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF. NO. PART NO. DESCRIPT		DESCRIPTION	REMARK	REF. N	O. PART NO.	DESCRIPTION	REMARK
201 202 203	4-378-522-31 \$\Delta\$ 1-223-925-11 4-843-806-00	SCREW, TAPPING, HEXAGON H RESISTOR ASSY (FCOUS PACK) STRIKE	EAD	211 212 213 214	4-066-141-01 4-066-130-01 * A-1372-518-A * 4-066-133-01	BUTTON, MULTI GUIDE, LIGHT H1 MOUNT BRACKET (H)	
203 204 205	4-045-250-21 4-047-464-01	DAMPER CATCHER, PUSH		215	* A-1375-177-A		
206	4-066-140-01	DOOR		216 217	4-075-244-01 4-075-874-01	CASTER (30 DIA.) FOOT, PLASTIC	
207 208 209	3-703-035-11 4-066-131-01 4-066-103-01	SHAFT, LID BUTTON, POWER SPRING, COMPRESSION		218 219 220		BRACKET, FOCUS PACK LABEL, CONTROL PANEL ASSY, CONTROL	203-212,219
210	4-066-136-21	PANEL, CONTROL		221 222	4-069-915-01 * X-4038-380-1	CLAMP CABINET (48) ASSY	201.216.217.221

7-6. CHASSIS AND PICTURE TUBE BLOCK (KP-EF48)

● : 7-685-663-71 +BVTP 4X16 ▲ : 7-685-648-79 +BVTP 3X12 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF. NO. PART NO.	DESCRIPTION	REMARK	REF. N	NO. PART NO.	DESCRIPTION	REMARK
251 *4.000 125.01	GTAY (D) GIDE		268 269	* A-1299-364-A	UG BOARD, MOUNT AG BOARD, COMPL	
251 * 4-066-135-01 252 * 4-066-134-01	. ,,		270	* A-1390-891-A	S BOARD, MOUNT	
253 * A-1332-127-A	CB BOARD, MOUNT		271		E BOARD, COMPLETE	
	CG BOARD, MOUNT		272		D BOARD, COMPLETE	
255 * A-1332-125-A	CR BOARD, MOUNT		273		FBT ASSY NX-4012//M3T4	
			274		SCREW (M3X10), P, SW (+)	
256 🛕 1-452-790-11	NECK ASSY		275	* 4-316-015-00	HOLDER, WIRE	
	DEFLECTION YOKE (G)(R)					
	ZR BOARD, MOUNT		276	* A-1316-394-A		
259 <u></u> ∆ 8-733-572-15	CRT 07MXC3 (R) (HEATER)		278	4-373-137-01	CAP (Z), RUBBER	
260 4-056-258-21	LENS (DELTA 78)		279	△ 1-574-062-61	CORD, POWER (WITH CONNECT 2.5A/250V (EF	
261 🛆 8-733-570-15	CRT 07MXC2 (G) (HEATER)			△ 1-574-358-51	CORD, POWER (WITH CONNECT	
	CRT 07MAC3 (B) (HEATER)				,	(ÉF48SN3)
263 1-451-454-61	DEFLECTION YOKE (B)		280	₾ 8-598-955-13	BLOCK ASSY, HV HVB-1030	, ,
264 * A-1391-079-A	ZG BOARD, MOUNT		281	* 4-066-144-02	HOLDER, HVR	
265 * A-1342-428-A	V2 BOARD, MOUNT					
			282	4-022-115-00	HOLDER, AC CORD	
266 * A-1190-325-A	P1 BOARD, MOUNT		283	* 1-555-400-00	CABLE, PIN	
267 * 4-066-142-02	TERMINAL BOARD		284	1-251-372-21	BOOSTER, RF	
			285	₾ 1-452-909-31	MAGNET ASSY, 4 POLE	

SECTION 8 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

- CAPACITORS PF : μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board

RESISTORS

- All resistors are in ohmsF: nonflammable

REF. NO	D. PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
KEF. IN	J. FAKT NO.	DESCRIPTION			KEWAKK	KEF. NO.	FAKT NO.	DESCRIPTION			KEWAKK
	* A-1190-325-A	A P1 BOARD, M0				C2444		CERAMIC CHIP			25V
		*****	****			C2445 C2446		CERAMIC CHIP CERAMIC CHIP			25V 16V
						C2447	1-126-933-11		100MF	20%	16V 16V
		<capacitor></capacitor>									
G2201	1 162 020 00	GED ANG GUID	0.13.65		2517	C2448		CERAMIC CHIP		5%	50V
C2301 C2302	1-163-038-00 1-104-664-11	CERAMIC CHIP	0.1MF 47MF	20%	25V 25V	C2449 C2450	1-104-665-11	CERAMIC CHIP	100MF	20%	10V 25V
C2302		CERAMIC CHIP		20%	25V 25V	C2450 C2451	1-103-038-00		47MF	20%	25 V 25 V
C2304	1-104-664-11		47MF	20%	25V	C2452		CERAMIC CHIP		2070	25V
C2305	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	62.452		arr is the arre	0.43.55		2511
C2306	1 164 222 11	CERAMIC CHIP	0.01ME	10%	50V	C2453 C2454		CERAMIC CHIP CERAMIC CHIP		10%	25V 50V
C2300		CERAMIC CHIP		10%	25V	C2454 C2455		CERAMIC CHIP		10%	25V
C2308		CERAMIC CHIP			25V	C2456		CERAMIC CHIP			25V
C2309	1-163-038-00	CERAMIC CHIP	0.1MF		25V	C2457	1-104-665-11		100MF	20%	10V
C2310	1-104-664-11	ELECT	47MF	20%	25V	60.450	1 162 017 00	CED AMIC CUID	0.0047145	1.00/	5011
C2311	1 163 038 00	CERAMIC CHIP	0.1ME		25V	C2458 C2459		CERAMIC CHIP CERAMIC CHIP		10% 10%	50V 50V
C2311		CERAMIC CHIP			25 V	C2459		CERAMIC CHIP		1070	25V
C2313		CERAMIC CHIP			25V	C2461		CERAMIC CHIP		5%	50V
C2402		CERAMIC CHIP			25V	C2463	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2403	1-104-664-11	ELECT	47MF	20%	25V	C2464	1 162 221 11	CED AMIC CHID	15DE	5%	50V
C2405	1-164-346-11	CERAMIC CHIP	1MF		16V	C2464 C2465		CERAMIC CHIP CERAMIC CHIP		3%	25V
C2406		CERAMIC CHIP			25V	C2466		CERAMIC CHIP		5%	50V
C2407	1-126-964-11		10MF	20%	50V	C2467		CERAMIC CHIP			25V
C2413		CERAMIC CHIP		400/	25V	C2468	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C2415	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C2469	1 162 029 00	CERAMIC CHIP	0.1ME		25V
C2416	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C2409 C2470	1-103-038-00		100MF	20%	23 V 10V
C2417		CERAMIC CHIP		1070	25V	C2471		CERAMIC CHIP		10%	25V
C2418	1-163-038-00	CERAMIC CHIP			25V	C2472	1-164-346-11	CERAMIC CHIP	1MF		16V
C2419	1-104-665-11		100MF	20%	10V	C2473	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C2420	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	C2474	1-104-664-11	FLECT	47MF	20%	25V
C2421	1-164-343-11	CERAMIC CHIP	0.056MF	10%	25V	C2474 C2476		CERAMIC CHIP		5%	50V
C2423		CERAMIC CHIP			16V	C2478		CERAMIC CHIP		5%	50V
C2424		CERAMIC CHIP		5%	50V	C2480		CERAMIC CHIP			25V
C2425 C2426	1-104-664-11	ELECT CERAMIC CHIP	47MF	20%	25V 25V	C2481	1-104-664-11	ELECT	47MF	20%	25V
C2420	1-103-036-00	CERAMIC CHIP	U.IMIF		23 v	C2482	1-104-665-11	ELECT	100MF	20%	10V
C2427	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C2483		CERAMIC CHIP		2070	25V
C2428		CERAMIC CHIP			25V	C2484		CERAMIC CHIP			16V
C2429		CERAMIC CHIP		10%	50V	C2485		CERAMIC CHIP			16V
C2430 C2431		CERAMIC CHIP CERAMIC CHIP			25V 16V	C2486	1-164-346-11	CERAMIC CHIP	IMF		16V
C2431	1-104-540-11	CERAMIC CIII	1 IVII		10 v	C2801	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C2432	1-164-346-11	CERAMIC CHIP	1MF		16V	C2802	1-104-664-11		47MF	20%	25V
C2433		CERAMIC CHIP			16V	C2803		CERAMIC CHIP			25V
C2434		CERAMIC CHIP		5%	50V	C2804	1-104-664-11		47MF	20%	25V
C2435 C2436		CERAMIC CHIP CERAMIC CHIP			25V 16V	C2805	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C2 4 30	1 104-540-11	CLICIMIC CIIII	11711		101	C2806	1-126-967-11	ELECT	47MF	20%	50V
C2437		CERAMIC CHIP		5%	50V	C2807	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2438		CERAMIC CHIP		10%	50V	C2808		CERAMIC CHIP		5%	50V
C2439 C2440		CERAMIC CHIP CERAMIC CHIP			16V 16V	C2809 C2810		CERAMIC CHIP CERAMIC CHIP		5% 5%	50V 50V
C2440 C2442		CERAMIC CHIP			25V	C2010	1-103-243-11	CENAMIC CHIP	+/FI	J 70	30 v
						C2811	1-164-346-11	CERAMIC CHIP	1MF		16V
C2443	1-104-665-11	ELECT	100MF	20%	10V	C2812	1-164-346-11	CERAMIC CHIP	1MF		16V

KP-EF41ME3/MN3/SN3, EF48MN3/SN3 RM-871



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C2813	1-126-964-11		10MF	20%	50V	Q2412		TRANSISTOR D	TC144EK		
C2013	1 120 704 11	<connector></connector>		2070	301	Q2413 Q2414	8-729-901-00	TRANSISTOR E TRANSISTOR 2	TC124EK		
CN2301	* 1-564-515-11	PLUG, CONNEC				Q2415 Q2416		TRANSISTOR 2 TRANSISTOR 2			
		PLUG, CONNEC				Q2417 Q2418		TRANSISTOR 2 TRANSISTOR 2			
CN2801	* 1-564-509-11	PLUG, CONNEC	TOR 6P			Q2419	8-729-026-49	TRANSISTOR 2	SA1037AK	-T146-R	
		<diode></diode>				Q2420 Q2421	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2	SC1623-L5	L6	
D2401	8-719-047-16	DIODE BAS216				Q2422 Q2423	8-729-900-53	TRANSISTOR 2	TC114EK		
		<ferrite beal<="" td=""><td>D\</td><td></td><td></td><td>Q2424 Q2426</td><td></td><td>TRANSISTOR 2 TRANSISTOR 2</td><td></td><td></td><td></td></ferrite>	D\			Q2424 Q2426		TRANSISTOR 2 TRANSISTOR 2			
FB2401	1_414_235_11	INDUCTOR CHI				Q2427 Q2428	8-729-026-49	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1037AK	-T146-R	
FB2402		INDUCTOR CHI				Q2429 Q2430	8-729-026-49	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1037AK	-T146-R	
		<filter></filter>				Q2431		TRANSISTOR 2			
FL2301		ENCAPSULATE				Q2432 Q2801		TRANSISTOR 2 TRANSISTOR 2			
FL2302 FL2303		ENCAPSULATE ENCAPSULATE				Q2802 Q2803		TRANSISTOR 2 TRANSISTOR 2			
		4C				Q2804		TRANSISTOR 2			
IC2401	8 750 430 64	<ic> IC HEF4053BT</ic>				Q2805 Q2806 Q2807	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5	L6	
IC2401 IC2402 IC2403	8-759-565-20	IC TDA4665T/V: IC SDA9187-3X0				Q2807 Q2808		TRANSISTOR 2			
IC2404 IC2405	8-759-468-94	IC SDA9189XGE IC TDA9160A				Q2809 Q2810		TRANSISTOR 2 TRANSISTOR 2			
IC2406 IC2801	8-759-278-95 8-752-072-04	IC BA7606F IC CXA1875AM	Т4					<resistor></resistor>			
IC2801 IC2802 IC2803	8-759-439-64	IC HEF4053BT IC HEF4053BT	-14			R2301	1-216-025-00		100	5%	1/10W
102003	0-137-437-04	IC IILI 4033B1				R2302 R2303	1-216-025-00 1-216-025-00 1-216-049-00	RES,CHIP	100 1K	5% 5%	1/10W 1/10W
		<coil></coil>				R2305 R2306	1-216-025-00 1-216-049-00	RES,CHIP	100 1K	5% 5%	1/10W 1/10W
L2301 L2401		INDUCTOR 10U INDUCTOR 10U				R2307	1-216-049-00		1K	5%	1/10W
L2402 L2403		INDUCTOR 10U INDUCTOR 10U				R2308 R2402	1-216-049-00 1-216-073-00		1K 10K	5% 5%	1/10W 1/10W
L2404		INDUCTOR 10U				R2403 R2404	1-216-105-00 1-216-049-00		220K 1K	5% 5%	1/10W 1/10W
L2405 L2406	1-408-603-31	INDUCTOR 10U INDUCTOR 10U	Ή			R2405	1-216-059-00		2.7K	5%	1/10W
L2407 L2408	1-408-603-31	INDUCTOR CHI	Ή			R2406 R2407	1-216-057-00 1-216-039-00	RES,CHIP	2.2K 390	5% 5%	1/10W 1/10W
L2409 L2410		INDUCTOR CHI				R2408 R2409	1-216-049-00 1-216-033-00		1 K 220	5% 5%	1/10W 1/10W
L2801 L2802	1-414-194-11	INDUCTOR 33U INDUCTOR CHI	Ή			R2411 R2412	1-216-057-00 1-216-031-00		2.2K 180	5% 5%	1/10W 1/10W
L2802 L2803 L2804	1-414-194-11	INDUCTOR 33U INDUCTOR CHI	Ή			R2412 R2413 R2414	1-216-031-00 1-216-049-00 1-216-033-00	RES,CHIP	1K 220	5% 5%	1/10W 1/10W 1/10W
L2004	1 412 010 41	INDUCTOR CIT	1 22011			R2415	1-216-101-00		150K	5%	1/10W
		<transistor></transistor>	>			R2416 R2417	1-216-049-00 1-216-065-00		1K 4.7K	5% 5%	1/10W 1/10W
Q2301 Q2401		TRANSISTOR 22			R	R2418 R2419	1-216-057-00 1-216-049-00	RES,CHIP	2.2K 1K	5% 5%	1/10W 1/10W
Q2402 Q2403		TRANSISTOR 25				R2420	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
Q2404		TRANSISTOR 2			_	R2421 R2422	1-216-057-00 1-216-049-00	RES,CHIP	2.2K 1K	5% 5%	1/10W 1/10W
Q2405 Q2406	8-729-120-28	TRANSISTOR 2:	SC1623-L5	5L6		R2423 R2424	1-216-049-00 1-216-057-00	RES,CHIP	1K 2.2K	5% 5%	1/10W 1/10W
Q2407 Q2408	8-729-120-28	TRANSISTOR 2:	SC1623-L5	5L6	K	R2425	1-216-047-91		820	5%	1/10W
Q2409		TRANSISTOR 2				R2426 R2427	1-216-057-00 1-216-049-00	RES,CHIP	2.2K 1K 220	5% 5%	1/10W 1/10W
Q2410 Q2411		TRANSISTOR 2: TRANSISTOR 2:			R	R2428 R2430	1-216-033-00 1-216-049-00	RES,CHIP	220 1K	5% 5%	1/10W 1/10W
						R2431	1-216-049-00	KES,CHIP	1K	5%	1/10W

P1	AG

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R2432 R2433 R2434	1-216-057-00 1-216-057-00 1-216-089-00	RES,CHIP RES,CHIP	2.2K 2.2K 47K	5% 5% 5%	1/10W 1/10W 1/10W	R2502 R2503 R2801	1-216-025-00 1-216-025-00 1-216-059-11	RES,CHIP RES,CHIP	100 100 2.7K	5% 5% 5%	1/10W 1/10W 1/10W
R2435 R2436 R2437	1-216-049-00 1-216-063-91 1-216-067-00	RES,CHIP	1K 3.9K 5.6K	5% 5%	1/10W 1/10W 1/10W	R2802 R2803 R2804 R2805	1-216-063-91 1-216-057-00 1-216-091-00 1-216-081-00	RES,CHIP RES,CHIP	3.9K 2.2K 56K 22K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R2438 R2440 R2441	1-216-025-00 1-216-073-00 1-216-025-00	RES,CHIP RES,CHIP RES,CHIP	100 10K 100	5% 5% 5%	1/10W 1/10W 1/10W	R2806 R2807	1-216-061-00 1-216-069-00	RES,CHIP RES,CHIP	3.3K 6.8K	5% 5%	1/10W 1/10W
R2442 R2443 R2444	1-216-295-11 1-216-097-00 1-216-053-00	RES,CHIP	0 100K 1.5K	5% 5%	1/10W 1/10W	R2808 R2809 R2810 R2811	1-216-057-00 1-216-093-91 1-216-081-00 1-216-049-00	RES,CHIP RES,CHIP	2.2K 68K 22K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R2445 R2446 R2447	1-216-049-00 1-216-083-00 1-216-049-00	RES,CHIP	1K 27K 1K	5% 5% 5%	1/10W 1/10W 1/10W	R2812 R2813 R2814	1-216-045-00 1-216-295-11 1-216-025-00	SHORT	680 0 100	5% 5%	1/10W 1/10W
R2448 R2449 R2450	1-216-047-91 1-216-045-00 1-216-083-00	RES,CHIP RES,CHIP	820 680 27K	5% 5% 5%	1/10W 1/10W 1/10W	R2815 R2816	1-216-025-00 1-216-065-00	RES,CHIP RES,CHIP	100 4.7K	5% 5%	1/10W 1/10W
R2451 R2452 R2453	1-216-647-11 1-216-049-00 1-216-073-00		680 1K 10K	0.50% 5% 5%	1/10W 1/10W 1/10W	R2817 R2818 R2819 R2820	1-216-065-00 1-216-025-00 1-216-025-00 1-216-049-00	RES,CHIP RES,CHIP	4.7K 100 100 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R2453 R2454 R2455 R2456	1-216-689-11 1-216-047-91 1-216-045-00	RES,CHIP RES,CHIP	39K 820 680	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	R2821 R2825	1-216-049-00 1-216-049-00	RES,CHIP	1K 1K	5% 5%	1/10W 1/10W
R2457 R2458 R2459	1-216-649-11 1-216-001-00 1-216-053-00		820 10 1.5K	0.50% 5% 5%	1/10W 1/10W 1/10W	R2826 R2827 R2828 R2830	1-216-047-91 * 1-216-029-00 1-216-037-00 1-216-049-00	RES,CHIP RES,CHIP	820 150 330 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R2460 R2461 R2462	1-216-049-00 1-216-051-00 1-216-670-11		1K 1.2K 6.2K	5% 5% 0.50%	1/10W 1/10W 1/10W	R2831 R2832 R2833	1-216-049-00 1-216-049-00 1-216-049-00	RES,CHIP	1K 1K 1K	5% 5% 5%	1/10W 1/10W 1/10W
R2463 R2464 R2465 R2466	1-216-645-11 1-216-053-00 1-216-073-00 1-216-025-11	RES,CHIP	560 1.5K 10K 100	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	R2834 R2835 R2836	1-216-047-91 1-216-049-00 1-216-689-11	RES,CHIP RES,CHIP	820 1K 39K	5% 5%	1/10W 1/10W 1/10W
R2467 R2468	1-216-001-00 1-216-025-11	RES,CHIP RES,CHIP	10 100	5% 5%	1/10W 1/10W	R2837 R2838 R2839	1-216-089-00 1-216-295-11 1-216-295-11	RES,CHIP SHORT	47K 0 0	5%	1/10W 1/10W
R2469 R2470 R2472 R2473	1-216-025-11 1-216-097-00 1-216-109-00 1-216-049-00	RES,CHIP RES,CHIP	100 100K 330K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W			<tuner></tuner>			
R2474 R2475	1-216-057-00 1-216-039-00	RES,CHIP RES,CHIP	2.2K 390	5% 5%	1/10W 1/10W	TU2301	8-598-373-20	FSS TUNER BTF	F-FG431		
R2476 R2477 R2478	1-216-295-11 1-216-295-11 1-216-065-00	SHORT	0 0 4.7K	5%	1/10W	X2401 X2402		<crystal> VIBRATOR, CRYOSCILLATOR, C</crystal>			
R2479 R2480 R2481 R2483	1-216-057-00 1-216-105-00 1-216-051-00 1-216-041-00	RES,CHIP RES,CHIP	2.2K 220K 1.2K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	X2403	1-567-505-11	OSCILLATOR, C	CRYSTAI	L(3.58MI	Hz)
R2484 R2485	1-216-081-00 1-216-025-00		22K 100	5% 5%	1/10W 1/10W			**************************************			*****
R2486 R2487 R2488 R2489	1-216-081-00 1-216-049-00 1-216-025-11 1-216-065-00	RES,CHIP RES,CHIP	22K 1K 100 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		* A 1200 365 A	*************************	*****		*****
R2490 R2491	1-216-025-00 1-216-049-00	RES,CHIP RES,CHIP	100 1K	5% 5%	1/10W 1/10W		A-1299-303-A	*******			
R2492 R2493 R2494	1-216-025-00 1-216-049-00 1-216-295-11	RES,CHIP	100 1K 0	5% 5%	1/10W 1/10W	C101 C102	1-126-933-11 1-164-232-11	<capacitor> ELECT CERAMIC CHIP</capacitor>	100MF 0.01MF	20% 10%	16V 50V
R2495 R2496 R2497 R2498	1-216-025-00 1-216-057-00 1-216-057-00 1-216-057-00	RES,CHIP RES,CHIP	100 2.2K 2.2K 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	C102 C103 C104 C105		CERAMIC CHIP ELECT		5% 20% 20%	50V 25V 25V
R2499 R2500	1-216-025-00 1-216-295-11	RES,CHIP SHORT	100	5%	1/10W	C106 C107 C108	1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF	100/	25V 25V 25V
R2501	1-216-025-00	KES,CHIP	100	5%	1/10W	C109	1-104-232-11	CERAMIC CHIP	U.UIMF	10%	50V



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C110	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C352	1-216-295-00	SHORT	0		
C110 C111 C112	1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF	5%	25V 50V	C352 C353 C401 C402	1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF	20%	25V 25V 50V
C113 C114 C115		ELECT CERAMIC CHIP CERAMIC CHIP		20% 5%	25V 25V 50V	C403 C404	1-163-009-11	CERAMIC CHIP CERAMIC CHIP	0.001MF	10%	25V 50V
C116 C117 C118		CERAMIC CHIP CERAMIC CHIP ELECT		5% 5% 20%	50V 50V 25V	C405 C406 C407		CERAMIC CHIP CERAMIC CHIP ELECT		10% 10% 20%	50V 50V 25V
C119 C120	1-104-664-11 1-163-137-00	ELECT CERAMIC CHIP		20% 5%	25V 50V	C408 C409 C410	1-163-038-00 1-104-664-11		0.1MF 47MF	20%	25V 25V 25V
C121 C122 C123 C124	1-104-664-11 1-163-038-00	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.1MF	20% 10%	25V 25V 25V 25V	C411 C412 C413	1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10%	25V 50V 50V
C124 C125	1-163-251-11	CERAMIC CHIP CERAMIC CHIP	100PF	10% 5%	25 V 50 V 25 V	C413 C414 C415 C416	1-164-232-11 1-104-664-11	CERAMIC CHIP	0.01MF 47MF	10% 10% 20% 5%	50V 50V 25V 50V
C127 C128 C129	1-163-243-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	47PF 0.1MF	5%	50V 25V 25V	C417 C418	1-163-227-11 1-126-964-11	CERAMIC CHIP ELECT	10PF 10MF	0.5PF 20%	50V 50V
C300 C301		CERAMIC CHIP CERAMIC CHIP			16V 25V	C421 C422 C423	1-163-009-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF	10% 10%	16V 50V 50V
C303 C304 C305	1-163-251-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF	10% 5%	50V 50V 16V	C424 C425		CERAMIC CHIP CERAMIC CHIP		10%	50V 16V
C306 C307	1-164-505-11	CERAMIC CHIP	2.2MF		16V 16V	C426 C427 C428	1-163-009-11 1-163-009-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF 0.001MF	10% 10% 10%	50V 50V 50V
C308 C309 C310		CERAMIC CHIP ELECT		20% 20%	25V 25V 50V	C430 C431	1-164-232-11 1-126-964-11	CERAMIC CHIP ELECT	0.01MF 10MF	10%	50V 50V
C311 C312		CERAMIC CHIP		20% 10%	16V 50V	C432 C433 C434	1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF		25V 25V 25V
C313 C316 C317	1-163-017-00 1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0047MF 0.47MF	10%	16V 50V 25V	C435		CERAMIC CHIP		20%	25V 25V
C318 C319 C321	1-126-964-11	CERAMIC CHIP ELECT CERAMIC CHIP	10MF	20%	16V 50V 16V	C437 C438 C439 C440	1-104-664-11 1-163-038-00	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.1MF	20%	25V 25V 25V 25V
C323 C324 C325	1-126-964-11 1-163-035-00		10MF 0.047MF	20% 10%	50V 50V 50V	C441 C442	1-104-664-11 1-163-038-00	ELECT CERAMIC CHIP	47MF 0.1MF	20%	25V 25V
C326 C327	1-137-581-11		0.1MF	10% 5%	50V 100V	C443 C1001 C1002		ELECT CERAMIC CHIP CERAMIC CHIP		20% 5% 5%	50V 50V 50V
C328 C329 C330		CERAMIC CHIP CERAMIC CHIP		5%	63V 25V 25V	C1004 C1006 C1008	1-163-251-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF	5% 5% 5%	50V 50V 50V
C331 C332 C333	1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10%	25V 50V 50V	C1009 C1010	1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF	5%	25V 50V
C334 C335	1-104-664-11		47MF	10% 20%	50V 25V	C1011 C1012 C1013	1-163-251-11 1-163-251-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 100PF	5% 5% 5%	50V 50V 50V
C336 C337 C338	1-163-037-11 1-163-037-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022MF 0.022MF	10% 10% 10%	50V 50V 50V	C1014 C1015	1-163-037-11	CERAMIC CHIP CERAMIC CHIP	0.022MF	10% 10%	50V 50V
C339 C340		CERAMIC CHIP		20% 10%	25V 50V	C1016 C1017 C1018	1-163-259-91 1-163-259-91	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	220PF 220PF	10% 5% 5%	50V 50V 50V
C341 C342 C343	1-163-133-00 1-163-037-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF 0.022MF	5% 10%	25V 50V 50V	C1019 C1020	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V 50V
C344 C345	1-163-231-11	CERAMIC CHIP	15PF	5% 5%	50V 50V	C1021 C1022 C1023	1-164-232-11 1-163-009-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.001MF	10% 10% 10%	50V 50V 50V
C346 C347 C348	1-164-232-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF	10% 10% 10%	50V 50V 50V	C1024 C1025	1-104-664-11		47MF	20%	25V 25V
C349 C350		CERAMIC CHIP		20%	25V 25V	C1026 C1028 C1029	1-163-259-91 1-163-009-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	220PF 0.001MF	5% 10%	25V 50V 50V
C351	1-126-963-11	ELEC I	4.7MF	20%	50V	C1030	1-103-009-11	CERAMIC CHIP	U.UUIMF	10%	50V

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C1031	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C2071 C2072	1-163-038-00 1-126-962-11	CERAMIC CHIP	0.1MF 3.3MF	20%	25V 50V
C1032 C1033 C2001	1-163-259-91 1-164-346-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	220PF	10% 5%	50V 50V 16V	C2073 C2074	1-126-964-11 1-164-005-11	ELECT CERAMIC CHIP	10MF 0.47MF	20%	50V 25V
C2002 C2004 C2005		ELECT CERAMIC CHIP CERAMIC CHIP		20%	16V 16V 25V	C2075 C2076 C2077 C2078				5% 5% 20% 20%	50V 50V 50V 50V
C2006 C2008 C2009	1-104-664-11 1-104-664-11 1-163-809-11	ELECT ELECT CERAMIC CHIP	47MF 47MF 0.047MF	20% 20% 10%	25V 25V 25V	C2079 C2080	1-104-664-11 1-163-038-00	ELECT CERAMIC CHIP	47MF 0.1MF	20%	25V 25V
C2010 C2011 C2012	1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF	10% 10%	25V 50V 50V	C2081 C2082 C2083 C2084	1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.47MF	5% 20%	50V 25V 25V 50V
C2013 C2014 C2015	1-164-505-11	CERAMIC CHIP CERAMIC CHIP	2.2MF		16V 50V 25V	C2085 C2086	1-164-161-11 1-163-009-11	CERAMIC CHIP CERAMIC CHIP	0.0022MF 0.001MF	10% 10%	50V 50V
C2016 C2017 C2018	1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF		25V 25V 25V	C2087 C2088 C2089	1-164-161-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0022MF	10% 10% 10%	50V 50V 50V
C2019 C2020	1-126-968-11 1-164-005-11	ELECT CERAMIC CHIP	100MF 0.47MF	20%	50V 25V	C2090 C2091 C2092	1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF	10%	50V 25V 25V
C2022 C2023 C2024	1-164-005-11 1-126-965-11		0.47MF 22MF	20%	50V 25V 50V	C2093 C2094	1-163-009-11	CERAMIC CHIP CERAMIC CHIP	0.001MF	10%	50V 50V
C2025 C2026	1-104-664-11 1-164-005-11	CERAMIC CHIP	47MF 0.47MF	20%	25V 25V	C2095	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C2027 C2029		CERAMIC CHIP		20% 5%	50V 50V	G11101		<connector></connector>	TOP 40		
C2030 C2031 C2032	1-163-133-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF	5%	16V 50V 16V	CN101 CN102 CN103 CN104	1-695-915-11 1-695-915-11	PLUG, CONNEC' TAB (CONTACT TAB (CONTACT TAB (CONTACT))		
C2033 C2035 C2036		ELECT CERAMIC CHIP CERAMIC CHIP		20% 5%	50V 50V 16V	CN401 CN402	* 1-564-515-11	PLUG, CONNEC	TOR 12P		
C2037 C2038	1-164-346-11	CERAMIC CHIP CERAMIC CHIP	1MF	5%	50V 16V	CN403 CN405 CN407	* 1-564-510-11 * 1-564-596-11	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR 7P TOR 15P		
C2039 C2040		CERAMIC CHIP		20%	25V 25V	CN408		CONNECTOR, B		BOAR	RD 50P
C2041 C2042 C2043	1-164-346-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	1MF	5% 5%	50V 16V 50V	CN2001	* 1-770-747-11	PLUG, CONNEC CONNECTOR, B PLUG, CONNEC	OARD TO	BOAR	RD 12P
C2044 C2045 C2046	1-126-965-11	CERAMIC CHIP ELECT CERAMIC CHIP	22MF	20%	16V 50V 25V			<diode></diode>			
C2047 C2048		CERAMIC CHIP		20%	16V 25V	D101 D102 D104	8-719-422-12 8-719-976-96	DIODE 1SS355TI DIODE MA8039 DIODE DTZ4.7C			
C2049 C2050 C2051	1-163-251-11 1-163-243-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 47PF	5% 5% 5%	50V 50V 50V	D105 D301	8-719-988-61	DIODE DTZ33B DIODE 1SS355TI			
C2052 C2053	1-163-087-00	CERAMIC CHIP CERAMIC CHIP	4PF	0.25PF 0.25PF	F 50V	D306 D307 D401	8-719-988-61 8-719-047-16	DIODE 1SS355TI DIODE 1SS355TI DIODE BAS216			
C2054 C2055 C2056	1-104-664-11	CERAMIC CHIP ELECT CERAMIC CHIP	47MF	10% 20% 10%	50V 25V 50V	D402 D403		DIODE BAS216 DIODE DTZ9.1			
C2057 C2059	1-104-232-11 1-104-664-11 1-126-964-11	ELECT	47MF 10MF	20% 20%	25V 50V	D414 D2001 D2002	8-719-977-22	DIODE 1SS355TI DIODE DTZ9.1 DIODE DTZ9.1	E-17		
C2060 C2061 C2062	1-126-934-11 1-126-965-11	ELECT	220MF 22MF	20% 20%	25V 16V 50V	D2003 D2004	8-719-977-22	DIODE DTZ9.1 DIODE DTZ9.1			
C2063 C2064	1-163-038-00	CERAMIC CHIP CERAMIC CHIP			25V 25V	D2005 D2006 D2007	8-719-977-22	DIODE DTZ9.1 DIODE DTZ9.1 DIODE DTZ9.1			
C2065 C2066 C2067		ELECT CERAMIC CHIP CERAMIC CHIP		20% 5%	50V 50V 25V	D2008 D2009		DIODE DTZ9.1 DIODE DTZ9.1			
C2068 C2069	1-104-664-11		47MF	20% 5%	25V 50V	D2010 D2011 D2012	8-719-977-22	DIODE DTZ9.1 DIODE DTZ9.1 DIODE DTZ9.1			
C2070	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	D2012 D2013		DIODE DTZ9.1			



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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		R	EMARK
D2014	8-719-977-22	DIODE DTZ9.1		Q102 Q103		TRANSISTOR 2			
D2015	8-719-047-16	DIODE BAS216		Q104 Q301	8-729-026-49	TRANSISTOR 2 TRANSISTOR 2	2SA1037AK-T	146-R	
		<ferrite bead=""></ferrite>		Q303 Q304		TRANSISTOR 2			
FB401 FB402		INDUCTOR CHIP 0UH INDUCTOR CHIP 0UH		Q308 Q309	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2	2SC1623-L5L6	,	
FB403 FB404	1-414-235-11	INDUCTOR CHIP OUH INDUCTOR CHIP OUH		Q310		TRANSISTOR I			
FB405		INDUCTOR CHIP OUH		Q311 Q312		TRANSISTOR I			
FB406 FB407		INDUCTOR CHIP 0UH INDUCTOR CHIP 0UH		Q313 Q401	8-729-120-28	TRANSISTOR 2 TRANSISTOR I	2SC1623-L5L6	,	
FB2001 FB2002	1-414-235-11	INDUCTOR CHIP OUH INDUCTOR CHIP OUH		Q402		TRANSISTOR I			
FB2003		INDUCTOR CHIP OUH		Q403 Q404		TRANSISTOR 2			
FB2004 FB2005		INDUCTOR CHIP 0UH INDUCTOR CHIP 0UH		Q405 Q406	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2	2SC1623-L5L6	,	
FB2006		INDUCTOR CHIP OUH		Q407		TRANSISTOR 2			
		<filter></filter>		Q408 Q409		TRANSISTOR 2			
FL101	1-236-071-11	ENCAPSULATED COMPONENT		Q410 Q412	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	,	
FL102 FL103	1-236-071-11	ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT		Q414		TRANSISTOR 2			
FL104 FL105	1-236-071-11	ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT		Q415 Q416		TRANSISTOR 2			
FL401	1-233-765-21			Q417 Q418	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6	i	
FL402 FL403	1-233-765-21 1-233-765-21	FILTER		Q419		TRANSISTOR 2			
FL1001		ENCAPSULATED COMPONENT		Q420 Q421		TRANSISTOR 2			
		<ic></ic>		Q422 Q423	8-729-026-49	TRANSISTOR 2 TRANSISTOR 2	2SA1037AK-T	146-R	
IC301	8-752-076-87	IC CXA2050S		Q425	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	i	
IC401 IC402		IC MC141627FT IC TDA8395T/N3		Q426 Q2001		TRANSISTOR 2			
IC403 IC404		IC TDA4665T/V5-118 IC CXA1875AM-T4		Q2002 Q2003	8-729-120-28	TRANSISTOR 2	SC1623-L5L6	,	
IC1001		IC M24C08-MN6T(A)		Q2004		TRANSISTOR 2			
IC1002 IC1003	8-752-904-42	IC PST593C-MMP-4P IC CXP85452-214Q (GE/HK/AUS I		Q2005 Q2006	8-729-120-28	TRANSISTOR 2	SC1623-L5L6	,	
IC1003 IC2001	8-759-090-21	IC CXP85452-229Q-TL (ME MOD) IC TDA8424	EL)	Q2007 Q2008	8-729-026-49	TRANSISTOR 2	2SA1037AK-T	146-R	
IC2002 IC2003		IC CXA1855Q IC MSP3410D-PS-B4-T-ND		Q2009 Q2010		TRANSISTOR 2 TRANSISTOR 2			
IC2003 IC2004 IC2006	8-759-100-96	IC uPC4558G2 IC PST593C-MMP-4P		Q2010 Q2011 Q2012	8-729-822-44	TRANSISTOR 2 TRANSISTOR I	2SA1524		
102000	0-137-374-31	10 1313/30-MM1 -41		Q2012	1-001-000-11	TRANSISTORT	JICI++LKA-1	140	
		<jack></jack>				<resistor></resistor>			
J2001 J2002		TERMINAL, S 4P (S-VIDEO IN) JACK BLOCK, PIN 12P		R101 R102	1-216-065-00 1-216-025-00			% %	1/10W 1/10W
		(AUDIO/VIDE	EO IN, OUT)	R103 R104	1-216-025-00 1-216-025-00	RES,CHIP	100 5	% %	1/10W 1/10W
		<coil></coil>		R106	1-216-027-00	RES,CHIP	120 5	%	1/10W
L101	1-412-006-31	INDUCTOR CHIP 10UH		R107 R108	1-216-069-00 1-216-043-91	, .	560 5	% %	1/10W 1/10W
L102 L103		INDUCTOR CHIP 8.2UH INDUCTOR CHIP 8.2UH		R109 R111	1-216-075-00 1-216-033-00			% %	1/10W 1/10W
L104 L105		INDUCTOR CHIP 1UH INDUCTOR CHIP 10UH		R112	1-216-025-00			%	1/10W
L301		INDUCTOR 10UH		R113 R114	1-216-041-00 1-216-069-00	RES,CHIP	6.8K 5	%	1/10W 1/10W
L401 L1001		INDUCTOR CHIP 4.7UH INDUCTOR 15UH		R115 R116	1-216-049-00 1-216-025-00	RES,CHIP	100 5	% %	1/10W 1/10W
		TD ANGIOTOD		R117	1-216-025-00			%	1/10W
0101	0.720.120.20	<transistor></transistor>		R118 R119	1-216-037-00 1-216-059-00	RES,CHIP	2.7K 5	% %	1/10W 1/10W
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R120	1-216-057-00	KES,CHIP	2.2K 5	%	1/10W

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION]	REMARK
R121 R122	1-216-095-00 1-216-057-00		82K 2.2K	5% 5%	1/10W 1/10W	R403 R404	1-216-041-00 1-216-025-11	RES,CHIP	470 100	5% 5%	1/10W 1/10W
R123 R124	1-208-845-11 1-216-081-00	RES,CHIP	1M 22K	5% 5%	1/10W 1/10W	R405 R406 R407	1-216-025-11 1-216-025-11 1-216-025-11	RES,CHIP	100 100 100	5% 5% 5%	1/10W 1/10W 1/10W
R125 R126 R127	1-216-065-00 1-216-073-00 1-216-097-00	RES,CHIP	4.7K 10K 100K	5% 5% 5%	1/10W 1/10W 1/10W	R408 R409	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W
R192 R193	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W	R410 R411 R412	1-216-025-11 1-216-025-11 1-216-025-11	RES,CHIP	100 100 100	5% 5% 5%	1/10W 1/10W 1/10W
R194 R195 R301	1-216-049-00 1-216-049-00 1-216-049-00	RES,CHIP RES,CHIP	1K 1K 1K	5% 5% 5%	1/10W 1/10W 1/10W	R413 R414	1-216-295-00 1-216-073-00	SHORT	0 10 K	5%	1/10W
R303 R304	1-216-025-11 1-216-025-11	RES,CHIP	100 100	5% 5%	1/10W 1/10W	R417 R418 R419	1-216-295-00 1-216-033-00	SHORT	0 220 1.1K	5% 0.50%	1/10W 1/10W
R305 R307	1-216-109-00 1-216-129-00	RES,CHIP RES,CHIP	330K 2.2M	5% 5%	1/10W 1/10W	R420	1-216-081-00	RES,CHIP	22K	5%	1/10W
R308 R309	1-216-059-00 1-216-089-00		2.7K 47K	5% 5%	1/10W 1/10W	R421 R422 R423	1-216-049-00 1-216-041-00 1-216-049-00	RES,CHIP	1 K 470 1 K	5% 5% 5%	1/10W 1/10W 1/10W
R310 R311 R315	1-216-089-00 1-216-025-11 1-216-049-00	RES,CHIP RES,CHIP	47K 100 1K	5% 5% 5%	1/10W 1/10W 1/10W	R424 R425	1-216-033-00 1-216-041-00		220 470	5% 5%	1/10W 1/10W
R316 R317	1-216-049-00	RES,CHIP	1K 100	5% 5%	1/10W 1/10W	R426 R427 R428	1-216-049-00 1-216-077-00 1-216-025-11	RES,CHIP RES,CHIP	1K 15K 100	5% 5% 5%	1/10W 1/10W 1/10W
R318 R319	1-216-025-11 1-216-025-11	RES,CHIP RES,CHIP	100 100	5% 5%	1/10W 1/10W	R429	1-216-025-11	RES,CHIP	100	5%	1/10W
R320 R321	1-216-025-11 1-216-025-11	RES,CHIP	100 100	5% 5%	1/10W 1/10W	R430 R431 R432	1-216-025-11 1-216-025-11 1-216-001-00	RES,CHIP RES,CHIP	100 100 10	5% 5% 5%	1/10W 1/10W 1/10W
R322 R323 R324	1-216-025-11 1-216-061-00 1-216-049-00	RES,CHIP	100 3.3K 1K	5% 5% 5%	1/10W 1/10W 1/10W	R433 R434	1-216-001-00 1-216-057-00		10 2.2K	5% 5%	1/10W 1/10W
R325 R329	1-216-025-00 1-216-125-00		100 1.5M	5% 5%	1/10W 1/10W	R435 R437 R440	1-216-025-11 1-216-025-11 1-216-067-00	RES,CHIP	100 100 5.6K	5% 5% 5%	1/10W 1/10W 1/10W
R331 R332 R333	1-216-041-00 1-216-067-00 1-216-033-00	RES,CHIP	470 5.6K 220	5% 5% 5%	1/10W 1/10W 1/10W	R441 R442	1-216-065-00 1-216-069-00	RES,CHIP	4.7K 6.8K	5% 5%	1/10W 1/10W
R335 R338	1-216-129-00 1-216-025-11	RES,CHIP	2.2M 100	5% 5%	1/10W 1/10W	R443 R444 R445	1-216-041-00 1-216-295-00 1-216-049-00	SHORT	470 0 1K	5% 5%	1/10W 1/10W
R339 R340	1-216-025-00 1-216-295-00	SHORT	100 0	5%	1/10W	R446 R447	1-216-049-00 1-216-049-00	RES,CHIP	22K 1K	5% 5%	1/10W 1/10W 1/10W
R341 R348 R349	1-216-077-00	METAL CHIP RES,CHIP METAL CHIP	10K 15K 510	0.50% 5% 0.50%	1/10W 1/10W 1/10W	R448 R449	1-216-049-00 1-216-049-00	RES,CHIP	1K 1K	5% 5%	1/10W 1/10W
R350 R352	1-216-053-00 1-216-033-00	RES,CHIP	1.5K 220	5% 5%	1/10W 1/10W	R450 R451 R452	1-216-295-00 1-216-017-00 1-216-025-11	RES,CHIP	0 47 100	5% 5%	1/10W 1/10W
R353 R354 R355	1-216-033-00 1-216-049-00 1-216-033-00	RES,CHIP	220 1K 220	5% 5% 5%	1/10W 1/10W 1/10W	R453 R454	1-216-089-00 1-216-073-00	RES,CHIP	47K 10K	5% 5%	1/10W 1/10W
R356 R357	1-216-025-00 1-216-025-00	RES,CHIP	100 100	5% 5%	1/10W 1/10W	R455 R456 R457	1-216-025-00 1-216-025-00 1-216-057-00	RES,CHIP	100 100 2.2K	5% 5% 5%	1/10W 1/10W 1/10W
R358 R359 R360	1-216-025-00 1-216-025-00 1-216-057-00	RES,CHIP	100 100 2.2K	5% 5% 5%	1/10W 1/10W 1/10W	R458 R459	1-216-067-00 1-216-045-00		5.6K 680	5% 5%	1/10W 1/10W
R361 R362	1-216-033-00 1-216-057-00		220 2.2K	5% 5%	1/10W 1/10W	R460 R461 R462	1-216-057-00 1-216-043-91 1-216-035-00	RES,CHIP RES,CHIP	2.2K 560 270	5% 5% 5%	1/10W 1/10W 1/10W
R363 R365 R366	1-216-025-00 1-216-049-00 1-216-049-00	RES,CHIP RES,CHIP	100 1K 1K	5% 5% 5%	1/10W 1/10W 1/10W	R463 R464	1-216-025-11 1-216-057-00	RES,CHIP	100 2.2K	5% 5%	1/10W 1/10W
R367	1-216-093-91	RES,CHIP	68K	5%	1/10W	R465 R466	1-216-067-00 1-216-045-00	RES,CHIP RES,CHIP	5.6K 680	5% 5%	1/10W 1/10W
R368 R369 R370	1-216-133-00 1-216-025-00 1-216-057-00	RES,CHIP RES,CHIP	3.3M 100 2.2K	5% 5% 5%	1/10W 1/10W 1/10W	R467 R468	1-216-057-00 1-216-033-00	RES,CHIP	2.2K 220	5% 5%	1/10W 1/10W
R371 R372	1-216-073-00 1-216-049-00	RES,CHIP	10K 1K	5% 5%	1/10W 1/10W	R469 R470 R471	1-216-041-00 1-216-033-00 1-216-025-11	RES,CHIP RES,CHIP	470 220 100	5% 5% 5%	1/10W 1/10W 1/10W
R374 R375 R401	1-216-295-00 1-216-105-00 1-216-041-00	RES,CHIP	0 220K 470	5% 5%	1/10W 1/10W	R472 R473	1-216-033-00 1-216-025-00		220 100	5% 5%	1/10W 1/10W
R402	1-216-041-00		470	5%	1/10W	R474 R475	1-216-025-00 1-216-025-00	RES,CHIP	100 100	5% 5%	1/10W 1/10W



REF. NO.	PART NO.	DESCRIPTION		R	EMARK	REF. NO.	PART NO.	DESCRIPTION		F	REMARK
R476	1-216-049-00	RES,CHIP	1K	5%	1/10W	R2008	1-216-041-00	RES,CHIP	470	5%	1/10W
R1005	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	R2009	1-216-025-11		100	5%	1/10W
R1006	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	R2010 R2012	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W
R1007	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	R2013	1-216-025-11		100	5%	1/10W
R1008	1-216-065-00	,	4.7K	5%	1/10W	D2011		DEG GIVE		=	4 /4 0777
R1009 R1010	1-216-065-00 1-216-065-00		4.7K 4.7K	5% 5%	1/10W 1/10W	R2014 R2015	1-216-065-00 1-216-025-11		4.7K 100	5% 5%	1/10W 1/10W
K1010	1-210-003-00	кез,спіг	4./K	370	1/10 W	R2015	1-216-023-11		100K	5%	1/10W
R1011	1-216-025-11		100	5%	1/10W	R2017	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R1012	1-216-025-11		100	5%	1/10W	R2018	1-216-025-11	RES,CHIP	100	5%	1/10W
	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2019	1-216-097-00	RES CHIP	100K	5%	1/10W
R1015	1-216-025-11		100	5%	1/10W	R2020	1-216-057-00		2.2K	5%	1/10W
D1016	1 21 6 02 5 11	DEG CHID	100	50/	1/1011	R2022	1-216-022-00		75	5%	1/10W
R1016 R1017	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2023 R2024	1-216-033-00 1-216-025-00		220 100	5% 5%	1/10W 1/10W
R1017	1-216-025-11		100	5%	1/10W	RZ0Z4	1 210 023 00	KE5,CIII	100	370	1/10 11
R1019	1-216-025-11		100	5%	1/10W	R2025	1-216-025-11		100	5%	1/10W
R1020	1-216-025-11	RES,CHIP	100	5%	1/10W	R2026 R2027	1-216-065-00 1-216-033-00		4.7K 220	5% 5%	1/10W 1/10W
R1022	1-216-061-00	RES.CHIP	3.3K	5%	1/10W	R2027 R2028	1-216-033-00		100	5%	1/10W
R1023	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R2029	1-216-022-00		75	5%	1/10W
R1024	1-216-061-00	,	3.3K	5%	1/10W	D2020	1 216 065 00	DEC CHID	4.717	5 0/	1/10337
R1025 R1026	1-216-033-00 1-216-049-00		220 1K	5% 5%	1/10W 1/10W	R2030 R2031	1-216-065-00 1-216-025-00		4.7K 100	5% 5%	1/10W 1/10W
111020	1 210 019 00	RES,CIIII	111	570	1/10 11	R2032	1-216-022-00		75	5%	1/10W
R1027	1-216-065-00		4.7K	5%	1/10W	R2033	1-216-033-00		220	5%	1/10W
R1028 R1029	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2034	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1029	1-216-295-00	,	0	370	1/10 W	R2035	1-216-025-11	RES,CHIP	100	5%	1/10W
R1032	1-216-073-00		10K	5%	1/10W	R2036	1-216-113-00		470K	5%	1/10W
R1033	1-216-295-00	CHODT	0			R2037 R2038	1-216-065-00		4.7K 100	5%	1/10W 1/10W
R1035 R1035	1-216-293-00		1 K	5%	1/10W	R2036 R2039	1-216-025-00 1-216-113-00		470K	5% 5%	1/10W 1/10W
R1036	1-216-025-11		100	5%	1/10W			,		- , -	
R1038	1-216-025-11		100	5%	1/10W	R2040	1-216-065-00		4.7K	5%	1/10W
R1039	1-216-025-11	RES,CHIP	100	5%	1/10W	R2041 R2042	1-216-073-00 1-216-022-00		10K 75	5% 5%	1/10W 1/10W
R1040	1-216-025-11	RES,CHIP	100	5%	1/10W	R2043	1-216-033-00		220	5%	1/10W
R1041	1-216-025-11		100	5%	1/10W	R2044	1-216-033-00	RES,CHIP	220	5%	1/10W
R1042 R1043	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2045	1-216-033-00	DEC CHID	220	5%	1/10W
R1043	1-216-025-11		100	5%	1/10W 1/10W	R2045 R2046	1-216-033-00		10K	5%	1/10W
						R2047	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1047	1-216-025-00		100 1K	5% 5%	1/10W 1/10W	R2048 R2049	1-216-065-00		4.7K 10K	5% 5%	1/10W 1/10W
R1048 R1050	1-216-049-00 1-216-049-00		1 K	5% 5%	1/10W 1/10W	K2049	1-216-073-00	кез,спіг	10K	3%	1/10 W
R1051	1-216-025-11	RES,CHIP	100	5%	1/10W	R2050	1-216-025-00	, .	100	5%	1/10W
R1052	1-216-025-11	RES,CHIP	100	5%	1/10W	R2051	1-216-113-00 1-216-065-00		470K	5%	1/10W
R1053	1-216-025-11	RES CHIP	100	5%	1/10W	R2052 R2053	1-216-063-00	, .	4.7K 82	5% 5%	1/10W 1/10W
R1054	1-216-049-00		1K	5%	1/10W	R2054	1-216-048-00		910	5%	1/10W
R1055	1-216-025-11		100	5%	1/10W	D2056	1 216 041 00	DEC CIUD	470	50/	1 /1 0337
R1056 R1057	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2056 R2057	1-216-041-00 1-216-113-00		470 470K	5% 5%	1/10W 1/10W
111007			100	270	1,1011	R2058	1-216-089-00	RES,CHIP	47K	5%	1/10W
R1058	1-216-025-11		100	5%	1/10W	R2059	1-216-113-00		470K	5%	1/10W
R1060 R1061	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2060	1-216-089-00	KES,CHIP	47K	5%	1/10W
R1062	1-216-025-11	RES,CHIP	100	5%	1/10W	R2061	1-216-041-00	RES,CHIP	470	5%	1/10W
R1064	1-216-073-00	RES,CHIP	10K	5%	1/10W	R2063	1-216-113-00		470K	5%	1/10W
R1065	1-216-073-00	RES CHIP	10K	5%	1/10W	R2064 R2065	1-216-021-00 1-216-033-00		68 220	5% 5%	1/10W 1/10W
R1066	1-216-073-00		10K	5%	1/10W	R2066	1-216-039-00		390	5%	1/10W
R1067	1-216-073-00		10K	5%	1/10W						
R1068	1-216-073-00		10K 1K	5% 5%	1/10W 1/10W	R2067	1-216-089-00 1-216-295-00		47K 0	5%	1/10W
R1069	1-216-049-00	кез,спіг	1 K	3%	1/10 W	R2068 R2069	1-216-293-00		390	5%	1/10W
	1-216-049-00		1K	5%	1/10W	R2070	1-216-089-00	RES,CHIP	47K	5%	1/10W
	1-216-049-00		1K	5%	1/10W	R2071	1-216-295-00	SHORT	0		
R1072 R2001	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	R2072	1-216-025-11	RES.CHIP	100	5%	1/10W
	1-216-642-11		430	0.5%	1/10W	R2073	1-216-025-11	RES,CHIP	100	5%	1/10W
D2002	1 216 025 11	DEC CIUD	100		1/10337	R2074	1-216-025-11		100	5%	1/10W
R2003 R2004	1-216-025-11 1-216-642-11		100 430	5% 0.5%	1/10W 1/10W	R2075 R2076	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W
R2004 R2005	1-216-025-11		100	5%	1/10W 1/10W	112070	1 210-023-11	nlo,ciii	100	5 70	1/10 **
R2006	1-216-041-00	RES,CHIP	470	5%	1/10W	R2077	1-216-025-11		100	5%	1/10W
R2007	1-216-025-11	KES,CHIP	100	5%	1/10W	R2078 R2079	1-249-389-11 1-216-049-00		4.7 1K	5% 5%	1/4W F 1/10W
					i	112017	1 210-0-2-00	NLO,CIII	117	5 70	1/10 **



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION	L		REMARK
R2080	1-216-073-00		10K	5%	1/10W	C6022	1-137-370-11		0.01MF	5%	50V
R2081	1-216-089-00		47K	5%	1/10W	C6023 C6024	1-102-112-00 1-126-960-11		330PF 1MF	10% 20%	50V 50V
R2082 R2083 R2084	1-216-089-00 1-216-048-00	RES,CHIP	47K 910 470	5% 5% 5%	1/10W 1/10W 1/10W	C6025 C6026	1-136-165-00 1-104-665-11		0.1MF	5%	50V 25V
R2085	1-216-041-00 1-216-063-91	RES,CHIP	3.9K	5%	1/10W	C6028	1-125-969-91	CERAMIC	100MF 680PF	20% 10%	1KV
R2086	1-216-057-00		2.2K	5%	1/10W	C6029 C6030	1-125-969-91 1-115-405-11		680PF 0.039MF	10% 3%	1KV 1KV
R2087 R2088	1-216-049-00 1-216-089-00	RES,CHIP	1K 47K	5% 5%	1/10W 1/10W	C6031	1-126-964-11		10MF	20%	50V
R2089 R2090	1-216-089-00 1-216-065-00	RES,CHIP	47K 4.7K	5% 5%	1/10W 1/10W	C6032 C6033	1-126-964-11 1-136-479-11	FILM	10MF 0.001MF	20% 2%	50V 50V
R2091	1-216-089-00		47K	5%	1/10W	C6034 C6035	1-101-810-00 1-101-810-00		100PF 100PF	5% 5%	500V 500V
R2092 R2093	1-216-089-00 1-216-065-00	RES,CHIP	47K 4.7K	5% 5%	1/10W 1/10W	C6036	1-126-768-11		2200MF	20%	16V
R2094 R2095	1-216-065-00 1-216-065-00		4.7K 4.7K	5% 5%	1/10W 1/10W	C6037 C6038	1-126-943-11 1-128-548-11		2200MF 4700MF	20% 20%	25V 25V
R2096	1-216-065-00		4.7K	5%	1/10W	C6039 C6040	1-126-972-11 1-126-972-11		1000MF 1000MF	20% 20%	50V 50V
R2097 R2098	1-216-065-00 1-208-757-11	RES,CHIP METAL,CHIP	4.7K 91	5% 0.5%	1/10W 1/10W	C6041	1-126-960-11	ELECT	1MF	20%	50V
R2099 R2100	1-216-025-11 1-216-025-11		100 100	5% 5%	1/10W 1/10W	C6042 C6043	1-104-665-11 1-126-964-11		100MF 10MF	20% 20%	25V 50V
R2101	1-216-295-00		0			C6044 C6045	1-107-641-11 1-104-665-11		220MF 100MF	20% 20%	160V 25V
R2102 R2103	1-216-065-00 1-216-025-00		4.7K 100	5% 5%	1/10W 1/10W	C6046	1-104-665-11		100MF	20%	25V
R3301 R3302	1-216-295-00 1-216-295-00	SHORT	0	- / -	-, -, .,	C6047 C6048	1-102-112-00 1-126-960-11	CERAMIC	330PF 1MF	10% 20%	50V 50V
R3303	1-216-295-00		ő			C6049 C6050	1-136-165-00 1-109-954-11	FILM	0.1MF 0.47MF	5% 20%	50V 160V
R3390	1-216-039-00	RES,CHIP	390	5%	1/10W	C6051	1-109-934-11		470MF	20%	6.3V
		<tuner></tuner>				C6051 C6052 C6053	1-125-969-91 1-125-969-91	CERAMIC	680PF 680PF	10% 10%	1KV 1KV
TI1101 A	N 9 509 272 20	TUNER, FSS BT	E EC///1			C6055 C6056	1-123-909-91 1-107-641-11 1-137-370-11	ELECT	220MF 0.01MF	20% 5%	160V 50V
10101 2	12 6-396-372-20	TUNEK, FSS B1	r-r 044 1			C6058	1-137-370-11		470PF	10%	50V
		<crystal></crystal>				C6059 C6060	1-102-114-00 1-102-114-00 1-102-114-00	CERAMIC	470PF 470PF	10% 10% 10%	50V 50V
X301 X302		VIBRATOR, CEI OSCILLATOR, C			12)	C6061 C6062	1-102-114-00 1-102-114-00 1-102-114-00	CERAMIC	470PF 470PF	10% 10% 10%	50V 50V
X302 X303 X1001	1-567-505-11	OSCILLATOR, O VIBRATOR, CEI	CRYSTAL(3,58MF		C6063	1-102-114-00		470PF	10%	50V
X2001		VIBRATOR, CE			Iz)	C6064 2	↑ 1-161-964-51 ↑ 1-161-964-51	CERAMIC	0.0047MF 0.0047MF	7	250V 250V
						20003	1 1-101-904-31	CERAMIC	0.0047WII		230 V
******	******	******	*****	*****	*****			<connector></connector>	•		
:	* A-1316-394-A	G BOARD, CO	MPLETE			CN6001 CN6002		TAB (CONTACT			
	1-382-851-11	SCREW (M3X10) P SW (±)		CN6005	* 1-580-843-11	PIN, CONNECTO PIN, CONNECTO	ÓR (POWE		1 D
	4-302-034-11	SCREW (MSATO), I , S W (T	,				PIN, CONNECTO			
		<capacitor></capacitor>						PLUG, CONNEC			
	1-119-894-51 1-104-708-51		2200PF 0.47MF	20% 20%	250V 250V	CN6011	* 1-573-986-11	PIN, CONNECTO PIN, CONNECTO	ÓR (PC BC		
C6002 Z	1-126-943-11 1-104-665-11	ELECT	2200MF 100MF	20% 20% 20%	25V 25V 25V			PIN, CONNECTO			
	1-104-003-11 1-104-706-51		0.22MF	20%	250V			<diodes< td=""><td></td><td></td><td></td></diodes<>			
	1-119-894-51		2200PF	20%	250V	DC001	0.710.110.21	<diode pd12es<="" td=""><td>D2</td><td></td><td></td></diode>	D2		
C6009 C6010	1-102-114-00 1-102-112-00	CERAMIC	470PF 330PF	10% 10%	50V 50V	D6001 D6002	8-719-052-91	DIODE RD12ES DIODE D4SBS4-	·F		
C6011 C6012	1-107-678-11 1-102-112-00		4.7MF 330PF	20% 10%	450V 50V	D6003 D6004	8-719-057-96	DIODE D6SB60I DIODE D10SC6I	M-4012		
C6013	1-117-227-11		1MF	10%	450V	D6005		DIODE MTZJ-13			
C6014 C6016	1-126-968-11 1-126-964-11	ELECT	100MF 10MF	20% 20%	50V 50V	D6006 D6007	8-719-911-55	DIODE 1SS133T DIODE U05G			
C6018 C6019	1-119-868-11 1-104-664-11		820MF 47MF	20% 20%	450V 25V	D6008 D6009		DIODE UF4005F DIODE P6KE200			
C6020	1-104-665-11		100MF	20%	25V	D6010		DIODE RGP02-1			
C6021	1-126-961-11		2.2MF	20%	50V	D6011	8-719-982-26	DIODE MTZJ-33	В		



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		F	REMARK
D6012		DIODE 1SS133T-77				<ic link=""></ic>			
D6013 D6014		DIODE RD7.5ESB2 DIODE 1SS133T-77		PS6001 4	1-533-595-31	LINK, IC			
D6015	8-719-991-33	DIODE 1SS133T-77		PS6002 🛭	1-533-595-31 1-533-597-31	LINK, IC			
D6016		DIODE 1SS133T-77		F30003 Z	1-333-397-31	LINK, IC			
D6017 D6018		DIODE D1NL20U-TR DIODE 1SS133T-77				<transistor:< td=""><td>></td><td></td><td></td></transistor:<>	>		
D6019	8-719-991-33	DIODE 1SS133T-77		0.0001	0.720.120.20			1.6	
D6020	8-719-991-33	DIODE 1SS133T-77		Q6001 Q6002	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2	SC1623-L5	L6	
D6021 D6022		DIODE UF4005PKG23 DIODE RD20ESB2		Q6003 Q6004		TRANSISTOR 2 TRANSISTOR 2			
D6023	8-719-979-64	DIODE UF4005PKG23		Q6005		TRANSISTOR 2			
D6024 D6025		DIODE RD20ESB2 DIODE D1NL20U-TR		Q6006		TRANSISTOR 2			
D6026	8-719-110-53	DIODE RD20ESB2		Q6007 Q6008		TRANSISTOR II			
D6027	8-719-110-53	DIODE RD20ESB2		Q6009	8-729-140-97	TRANSISTOR 2	SB734-34		
D6028 D6029		DIODE 1SS119-25 DIODE 1SS133T-77		Q6010	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6	
D6032	8-719-991-33	DIODE 1SS133T-77		Q6011 Q6012		TRANSISTOR 2 TRANSISTOR 2			
D6033		DIODE 1SS133T-77		Q6013	8-729-820-82	TRANSISTOR 2	SA1208-T	-	•
D6035 D6036		DIODE D2S4M DIODE D2S4M		Q6014 Q6015	8-729-028-10 8-729-028-10	TRANSISTOR II	RF1744G-L RF1744G-L	F F	
D6037	8-719-031-78	DIODE S2L40F DIODE RBA-406B		_					
D6038				Q6016 Q6017	8-729-920-72	TRANSISTOR 2 TRANSISTOR 2	SA1037K-7	Γ-146-QR	
D6042 D6043		DIODE UF4005PKG23 DIODE RD20ESB2		Q6018	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6	
D6044	8-719-979-64	DIODE UF4005PKG23				DEGICTOR.			
D6045 D6046		DIODE RD20ESB2 DIODE RD20ESB2				<resistor></resistor>			
D6047	8-719-110-53	DIODE RD20ESB2		R6000 <u>/</u> R6001	1-202-885-91 1-216-049-00		1M 1K	20% 5%	1/2W 1/10W
D6048	8-719-921-88	DIODE MTZJ-13B		R6002 🛭	1-218-265-21	METAL	8.2M	5%	1W
D6049 D6050		DIODE S2L40F DIODE 1SS133T-77		R6003 R6004	1-215-683-11	METAL CHIP METAL	22K 330K	0.50% 1%	1/10W 1/4W
D6051	8-719-991-33	DIODE 1SS133T-77		R6005	1-215-481-00	METAI	330K	1%	1/4W
				R6006	1-215-482-00	METAL	360K	1%	1/4W
		<fuse></fuse>		R6007 R6008	1-216-065-00 1-216-099-00		4.7K 120K	5% 5%	1/10W 1/10W
F6001 <u>/</u>		FUSE (H.B.C.) 5A/250V HOLDER, FUSE ; F6001		R6009	1-215-479-00	METAL	270K	1%	1/4W
	1-333-230-11	HOLDER, I USE , I 0001		R6010	1-215-479-00		270K	1%	1/4W
		<ferrite bead=""></ferrite>		R6011 R6012		METAL CHIP METAL CHIP	10K 1.8K	0.50% 0.50%	1/10W 1/10W
FB6009	1-410-397-21	FERRITE 1.1UH		R6013 R6014	1-202-962-11	CEMENTED	3.3 47K	5% 5%	10W 1/10W
FB0009	1-410-397-21	PERRITE 1.10H			1-216-089-00				
		<ic></ic>		R6015 R6016	1-247-895-00 1-216-089-00		470K 47K	5% 5%	1/4W 1/10W
IC(001 Å	∆ 8-759-468-89			R6017	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
IC6002	8-759-103-93	IC uPC393C		R6018 R6019	1-216-089-00 1-216-089-00		47K 47K	5% 5%	1/10W 1/10W
IC6003 IC6004	8-759-185-47 8-759-077-25			R6020	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
		PHOTO COUPLER ON3171-R		R6021	1-216-081-00	RES,CHIP	22K	5%	1/10W
IC6006 ₫	8-749-924-35	PHOTO COUPLER ON3171-R		R6022 R6023	1-247-791-91 1-216-049-00	CARBON RES,CHIP	22 1K	5% 5%	1/4W 1/10W
IC6007 IC6008	8-759-185-47 8-749-920-61			R6024 △	1-240-303-11	CMT,MELF	0.22	5%	10W
10000	0-1 -7-7-74 0-01	IC DL-13JIN		R6025	1-249-402-11		56	5%	1/4W F
		<coil></coil>		R6026 A R6027	1-240-303-11 1-216-065-00		0.22 4.7K	5% 5%	10W 1/10W
1.6002	1 410 505 21	INDUCTOR 10UH		R6028	1-249-437-11	CARBON	47K	5%	1/4W
L6002 L6003	1-412-525-31	INDUCTOR 10UH		R6029	1-216-065-00		4.7K	5%	1/10W
L6004 L6005		INDUCTOR 10UH INDUCTOR 10UH		R6030 R6031	1-216-049-00 1-216-073-00		1K 10K	5% 5%	1/10W 1/10W
L6006		INDUCTOR 10UH		R6033 △	1-220-886-61	FUSIBLE	0.1	10%	1W F
L6008	1-412-533-21	INDUCTOR 47UH		R6034 R6035	1-216-113-00 1-216-049-00		470K 1K	5% 5%	1/10W 1/10W
L6009 L6010		INDUCTOR 6.8UH INDUCTOR 6.8UH		R6036	1-216-073-00		10K	5%	1/10W
L6011	1-412-525-31	INDUCTOR 10UH		R6037	1-216-065-00	RES,CHIP	4.7K	5%	1/10W 1/10W
L6012	1-406-971-21	INDUCTOR 10UH		R6038 R6039	1-216-295-00 1-216-073-00		0 10 K	5%	1/10W
				R6040	1-216-073-00		10K	5%	1/10W



												-	
REF. NO.	PART NO.	DESCRIPTION			REMARK	-	REF. NO.	PART NO.	DESCRIPTION			REMARK	-
R6041 R6042 R6043	1-249-397-11 1-249-397-11 1-249-425-11	CARBON CARBON	22 22 4.7K	5% 5% 5%	1/4W 1/4W 1/4W	F F	C735 C736 C737	1-161-830-00 1-162-115-00 1-107-662-11	CERAMIC ELECT	0.0047MF 330PF 22MF	10% 20%	500V 2KV 250V	
R6044 R6045	1-249-425-11 1-216-657-11	CARBON METAL CHIP	4.7K 1.8K	5% 0.50%	1/4W 1/10W	F	C738 C739 C741	1-101-880-00 1-104-664-11 1-104-664-11	ELECT	47PF 47MF 47MF	5% 20% 20%	50V 25V 25V	
R6046 R6047 R6048	1-216-081-00 1-249-437-11	CARBON	22K 47K 4.7K	5% 5% 5%	1/10W 1/4W 1/10W		0,11	1 101 001 11	<connector></connector>		20,0	20 ,	
R6049 R6050	1-216-065-00 1-216-073-00 1-216-049-91	RES,CHIP	10K 1K	5% 5%	1/10W 1/10W 1/10W		CN731		TAB (CONTACT	<u>(</u>)			
R6051 R6052	1-216-049-00		9.1K 1K	0.50% 5%	1/10W 1/10W		CN734	* 1-564-511-11 * 1-508-784-00	PLUG, CONNEC PLUG, CONNEC PIN, CONNECTO	TOR 8P OR (5mm P	ITCH)	1P	
R6053 R6054 R6055	1-249-417-11 1-216-049-00 1-216-065-00	RES,CHIP	1K 1K 4.7K	5% 5% 5%	1/4W 1/10W 1/10W		CN736	* 1-564-512-11	PLUG, CONNEC	TOR 9P			
R6056 R6057	1-216-073-00 1-216-073-00	RES,CHIP	10K 10K	5% 5%	1/10W 1/10W		CN737	** 1-304-312-11	PLUG, CONNEC	TOR 9P			
R6058 R6059 R6060	1-216-073-00 1-216-065-00 1-249-413-11	RES,CHIP	10K 4.7K 470	5% 5% 5%	1/10W 1/10W 1/4W	F	D731		<diode> DIODE 1SS133T</diode>				
R6061 R6062	1-215-477-00 1-249-417-11		220K 1K	1% 5%	1/4W 1/4W	F	D732 D733 D735	8-719-991-33	DIODE 1SS133T DIODE 1SS133T DIODE 1SS133T	-77			
R6063 R6064 R6065	1-249-397-11 1-249-397-11 1-249-441-11	CARBON	22 22 100K	5% 5% 5%	1/4W 1/4W 1/4W	F F	D736	8-719-991-33	DIODE 1SS133T	-77			
R6066		METAL OXIDE		5%	2W	F			<coil></coil>				
R6067 R6068 R6069	1-249-425-11 1-249-425-11 1-215-477-00	CARBON CARBON METAL	4.7K 4.7K 220K	5% 5% 1%	1/4W 1/4W 1/4W	F F	L731 L732		INDUCTOR 4700 INDUCTOR 1500				
R6070	1-249-417-11		1K	5%		F			<transistor></transistor>	>			
R6071 R6072 R6073 R6075 R6079	1-215-453-00 1-215-476-00 1-216-041-00 1-216-358-11 1-249-377-11	METAL RES,CHIP METAL OXIDE	22K 200K 470 5.6 0.47	1% 1% 5% 5% 5%	1/4W 1/4W 1/10W 1W 1/4W	F F	Q731 Q732 Q733 Q734 Q735	8-729-045-56 8-729-423-33 8-729-119-76	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2611-15 SC3311A-Q SA-1309A-0	QRSTA		
R6080 R6081	1-249-377-11 1-249-377-11	CARBON	0.47 0.47	5% 5%	1/4W 1/4W	F F	Q133	0-12)-423-33		3A-1307A-	QKSTA	1	
R6082 R6083 R6084	1-249-377-11 1-249-377-11 1-249-377-11	CARBON	0.47 0.47 0.47	5% 5% 5%	1/4W 1/4W 1/4W	F F F	R731	1-219-743-11		100	5%	1/2W	
R6085 R6086	△ 1-212-849-61 1-216-073-00		4.7 10K	5% 5%	1/4W 1/10W	F	R732 R733 R734			560K 12K 12K	5% 5% 5%	1/2W 3W 3W	F F
R6087 R6088	1-216-065-00 1-216-065-00	RES,CHIP RES,CHIP	4.7K 4.7K	5% 5%	1/10W 1/10W		R735 R736	1-247-807-31 1-249-425-11	CARBON	100 4.7K	5% 5%	1/4W 1/4W	1
R6089 R6094	1-216-057-00 1-216-073-00		2.2K 10K	5% 5%	1/10W 1/10W		R737 R738	1-260-328-11 1-249-404-11	CARBON	1K 82	5% 5%	1/2W 1/4W	
		<relay></relay>					R739 R740 R741	1-260-133-11 1-202-818-00 1-247-791-91	SOLID	680K 1K 22	5% 20% 5%	1/2W 1/2W 1/4W	
RY6003	1-515-999-11	RELAY, POWER	{				R742	1-249-409-11		220	5%	1/4W	
		<transforme< td=""><td>ER></td><td></td><td></td><td></td><td>R744 R746 R750 R751</td><td>1-247-891-00 1-202-814-11 1-249-437-11 1-202-814-00</td><td>SOLID CARBON</td><td>330K 33K 47K 20K</td><td>5% 20% 4% 1%</td><td>1/4W 1/2W 1/4W 1/4W</td><td></td></transforme<>	ER>				R744 R746 R750 R751	1-247-891-00 1-202-814-11 1-249-437-11 1-202-814-00	SOLID CARBON	330K 33K 47K 20K	5% 20% 4% 1%	1/4W 1/2W 1/4W 1/4W	
T6004	₾ 1-431-732-12	TRANSFORMER TRANSFORMER	R, CONVER	RTER (S			R/31	1 202 014 00	WEINE	2010	170	1/4 (1	
T6005	<u>1-429-807-12</u>	TRANSFORMER	R, CONVEF	RTER (P	TT)				<spark gap=""></spark>				
*****	*****	******	*****	*****	******	**	SG731 SG732	1-519-422-11	GAP, SPARK GAP, SPARK				
	* A-1332-126-A	CG BOARD, M					SG733	1-519-422-11	GAP, SPARK				
		<capacitor></capacitor>					******	******	******	******	*****	******	**
C733 C734	1-162-115-00 1-102-116-00	CERAMIC	330PF 680PF	10% 10%	2KV 50V								
	10 00					'							



REF. NO.	PART NO.	DESCRIPTION		Ī	REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK	<u>.</u>
,	* A-1332-127- <i>A</i>	A CB BOARD. M	IOUNT					<spark gap=""></spark>				
		*******				SG761 SG762		GAP, SPARK GAP, SPARK				
		<capacitor></capacitor>				SG763		GAP, SPARK				
C762	1-126-964-11		10MF	20%	50V							
C763 C764	1-162-115-00 1-102-116-00	CERAMIC	330PF	10% 10%	2KV 50V	******	******	******	******	*****	*****	**
C765 C766	1-161-830-00 1-162-115-00	CERAMIC	0.0047MF	10%	500V 2KV		* A-1332-125-A	CR BOARD, M				
C767	1-107-662-11			20%	250V							
C768 C769	1-101-880-00 1-104-664-11	CERAMIC	47PF	5% 20%	50V 25V			<capacitor></capacitor>				
C769	1-104-664-11			20%	25V	C702 C703	1-102-115-00 1-104-664-11		560PF 47MF	10% 20%	50V 25V	
		<connector></connector>	>				<u>↑</u> 1-162-115-00 1-101-880-00	CERAMIC	330PF 47PF	10% 5%	2KV 50V	
CN761	1-695-915-11	TAB (CONTACT				C709	1-162-115-00		330PF	10%	2KV	
CN762 3	1-564-508-11	PLUG, CONNECT	CTOR 5P	TCH) 11	P	C712 C713	1-107-662-11 1-104-664-11		22MF 47MF	20% 20%	250V 25V	
CN764 △	1-251-182-41	SOCKET, PICTU PLUG, CONNEC	JRE TUBE	1011, 11		0,10	1 10 1 00 1 11	22201	.,	2070	20 .	
		PLUG. CONNEC						<connector></connector>	>			
011,700	1 701 333 11	1200,0011120	21011101			CN701 CN702		TAB (CONTACT PLUG, CONNEC				
		<diode></diode>				CN703	* 1-564-510-11	PLUG, CONNECTO	TOR 7P	итсн) 1	р	
D761 D762		DIODE 1SS133T DIODE 1SS133T						SOCKET, PICTU		11(11) 1	_	
D763 D765	8-719-991-33	DIODE 1SS133T DIODE 1SS133T	T-77			CN706	* 1-564-512-11	PLUG, CONNEC	CTOR 9P			
D766		DIODE ISSISSI						<diode></diode>				
		<coil></coil>				D701	8-719-991-33	DIODE 1SS133T	-77			
L761	1-408-623-31	INDUCTOR 470	UH			D704 D705	8-719-991-33	DIODE 1SS133T DIODE 1SS133T	-77			
L762		INDUCTOR 150				D706 D708	8-719-991-33	DIODE 1SS133T DIODE 1SS133T	-77			
		<transistor:< td=""><td>></td><td></td><td></td><td>D709</td><td>8-719-109-84</td><td>DIODE RD5.1ES</td><td>B1</td><td></td><td></td><td></td></transistor:<>	>			D709	8-719-109-84	DIODE RD5.1ES	B1			
Q761	8-729-200-17	TRANSISTOR 2	SA1091-O									
Q762 Q763		TRANSISTOR 2 TRANSISTOR 2		Ξ				<coil></coil>				
Q764 Q765		TRANSISTOR 2 TRANSISTOR 2				L701 L702		INDUCTOR 470 INDUCTOR 150				
		<resistor></resistor>						<transistor></transistor>	>			
R761 R762	1-219-743-11 1-260-132-11			5% 5%	1/2W 1/2W	Q701 Q702		TRANSISTOR 2:		QRSTA		
R763 R764		METAL OXIDE METAL OXIDE		5% 5%	3W F 3W F	Q703 Q704		TRANSISTOR 2:				
R765 R766	1-247-807-31 1-260-328-11			5% 5%	1/4W 1/2W	Q705		TRANSISTOR 2				
R767	1-249-425-11	CARBON	4.7K	5%	1/4W	Q706	8-729-119-76	TRANSISTOR 2	SA1175-HI	FΕ		
R768 R769	1-260-133-11 1-202-818-00			5% 20%	1/2W 1/2W			<resistor></resistor>				
R770 R771	1-247-807-31 1-219-743-11			5% 5%	1/4W 1/2W	R701	1-219-743-11	CARBON	100	5%	1/2W	
R772	1-247-791-91	CARBON	22	5%	1/4W	R704 R705	1-260-132-11 1-249-437-11		560K 47K	5% 5%	1/2W 1/4W	
R773 R774	1-247-807-31 1-247-899-11			5% 5%	1/4W 1/4W	R706 R707	1-249-425-11 1-247-807-31		4.7K 100	5% 5%	1/4W 1/4W	
R776 R777	1-249-437-11 1-249-419-11	CARBON	47K	5% 5%	1/4W 1/4W	R708	1-247-807-11		100	5%	1/4W	
R778	1-202-814-11		33K	20%	1/2W	R709 R710	1-260-328-11 1-247-791-91		1K 22	5% 5%	1/2W 1/4W	
R779 R781	1-249-409-11 1-249-437-11	CARBON	220	5% 5%	14W 1/2W	R711 R712	1-216-487-11	METAL OXIDE METAL OXIDE	12K	5% 5%	3W 3W	F F
R782	1-249-431-11			5%	1/4W	R713	1-216-454-00		24K	1%	1/4W	
						R714	1-202-818-00	SOLID	1K	20%	1/2W	

CR	V2	$ \mathbf{D} $
O 1 X		

										•		
REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REM	ARK
R715	1-260-133-11		680K	5%	1/2W			<transistoi< td=""><td>₹></td><td></td><td></td><td></td></transistoi<>	₹>			
R716 R717	1-249-409-11 1-249-435-11		220 33K	5% 5%	1/4W 1/4W	Q3501	8-729-230-49	TRANSISTOR	2SC2712-YC	j		
R718	1-249-437-11	CARBON	47K	5%	1/4W	Q3502 Q3506		TRANSISTOR TRANSISTOR		L6		
R719 R721	1-219-743-11 1-202-814-11		100 33K	5% 20%	1/2W 1/2W	Q3507 Q3509	8-729-120-28	TRANSISTOR TRANSISTOR	2SC1623-L5			
R722	1-249-433-11	CARBON	22K	5%	1/4W	_						
R723	1-249-437-11	CARBON	47K	5%	1/4W	Q3510	8-729-120-28	TRANSISTOR	2SC1623-L5	L6		
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SG701	1-519-422-11	GAP, SPARK				R3501	1-216-295-00	SHORT	0			
SG702 SG703	1-519-422-11	GAP, SPARK GAP, SPARK				R3504 R3507	1-216-295-00 1-216-295-00	SHORT	0			
30703	1-319-422-11	GAI, SI AKK				R3508	1-216-295-00	SHORT	0			
						R3509	1-216-295-00		0			
******	*******	*******	*******	*****	*****	R3511 R3512	1-216-025-00 1-216-295-00		100 0	5%	1/1	0W
	* A-1342-592- <i>A</i>	V2 BOARD, M				R3514 R3515	1-216-025-00 1-216-073-00		100 10 K	5% 5%		0W 0W
						R3517	1-216-295-00		0	370	1/1	011
		<capacitor></capacitor>				R3518	1-216-295-00		0			
C3506	1-163-038-00	CERAMIC CHIP	0.1MF		25V	R3519 R3522	1-216-295-00 1-216-295-00		0			
C3507 C3509	1-126-933-11 1-164-004-11	ELECT CERAMIC CHIP	100MF 0.1MF	20% 10%	16V 25V	R3526 R3527	1-216-295-00 1-216-065-00		0 4.7K	5%	1/1	0W
C3510 C3511	1-164-505-11 1-126-963-11	CERAMIC CHIP	2.2MF 4.7MF	20%	16V 50V	R3528	1-216-065-00	RES CHIP	4.7K	5%	1/1	0W
C3511				10%	50V	R3529 R3533	1-216-049-00 1-216-025-00	RES,CHIP	1K 100	5%	1/1	0W
C3513	1-163-239-11	CERAMIC CHIP CERAMIC CHIP	33PF	5%	50V	R3535	1-216-295-00	SHORT	0	5%		.0W
C3514 C3515		CERAMIC CHIP CERAMIC CHIP		5% 10%	50V 10V	R3539	1-216-025-00	RES,CHIP	100	5%	1/1	0W
C3517	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	R3540 R3542	1-216-295-00 1-216-049-00		0 1K	5%	1/1	0W
C3522 C3524	1-104-664-11	ELECT CERAMIC CHIP	47MF	20%	16V 25V	R3544 R3546	1-216-295-00 1-216-025-00		0 100	5%	1/1	0W
C3525	1-126-933-11	ELECT	100MF	20%	16V	R3547	1-216-023-00		2.2K	5%		0W
C3530 C3532		CERAMIC CHIP CERAMIC CHIP			25V 25V	R3548	1-216-049-00		1K	5%		0W
C3538	1-163-233-11	CERAMIC CHIP	18PF	5%	50V	R3549 R3550	1-216-049-00 1-216-041-00		1K 470	5% 5%		0W 0W
C3539	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	R3551 R3552	1-216-025-00 1-216-025-00		100 100	5% 5%		0W 0W
		<connector></connector>				R3554	1-216-083-00		27K	5%		0W
CN2501	* 1 564 509 11	PLUG, CONNEC				R3555 R3556	1-216-049-00 1-216-041-00	RES,CHIP	1K 470	5% 5%	1/1	0W 0W
		PLUG, CONNEC				R3557	1-216-295-00	SHORT	0			
						R3558	1-216-025-00		100	5%		.0W
		<diode></diode>				R3559 R3560	1-216-049-00 1-216-041-00	RES,CHIP	1 K 470	5% 5%		0W 0W
D3502 D3503		DIODE DAP2021 DIODE RD3.3M-				R3563 R3571	1-216-049-00 1-216-049-00		1K 1K	5% 5%		0W 0W
								,				
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FB3501		INDUCTOR 470				X3501	1-578-774-11	VIBRATOR, C	RYSTAL(12	MHz)		
FB3502 FB3503	1-410-397-21 1-410-397-21		1.1UH 1.1UH									
FB3504 FB3505	1-410-397-21 1-410-397-21		1.1UH 1.1UH			******	******	*****	*****	*****	*****	****
							* A_1348_005_A	D BOARD, C	ОМРІ ЕТЕ			
		<ic></ic>					71 15-0-005-A	******				
IC3501	8-759-476-87	IC SAA5261						SPACER, INSU				
								HEAT SINK, V SCREW (M3X		-)		
		<chip conduc<="" td=""><td>CTOR></td><td></td><td></td><td></td><td></td><td>•</td><td>•</td><td></td><td></td><td></td></chip>	CTOR>					•	•			
JR3501	1-216-295-11	SHORT	0					<capacitor< td=""><td>></td><td></td><td></td><td></td></capacitor<>	>			
						C1501		CERAMIC CH		10%	50	
						C1503	1-137-399-11	riLM	0.1MF	5%	100	JV



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C1504 C1506 C1507	1-126-969-11	CERAMIC CHIP ELECT CERAMIC CHIP	220MF	5% 20% 5%	50V 50V 50V	C1717 C1718 C1719	1-164-232-11 1-126-968-11 1-126-968-11		0.01MF 100MF 100MF	10% 20% 20%	50V 50V 50V
C1508 C1509 C1510	1-126-972-11	CERAMIC CHIP ELECT	1000MF	10% 5% 20%	100V 50V 50V	C1720 C1721	1-164-232-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF	10% 10%	50V 50V 50V
C1511 C1512 C1513		ELECT CERAMIC CHIP		20% 20%	50V 50V	C1723 C1724 C1725 C1726	1-164-004-11 1-164-004-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 0.1MF	5% 10% 10% 10%	25V 25V 25V
C1514 C1516 C1517 C1518				10% 10% 20% 20%	50V 25V 50V 16V	C1727 C1802 C1803	1-164-232-11 1-126-935-11		0.01MF 470MF	10% 10% 20%	25V 50V 16V
C1519 C1520 C1521		ELECT CERAMIC CHIP		20% 20% 10%	16V 50V 50V	C1804 C1805 C1806	1-104-665-11	CERAMIC CHIP ELECT	100MF	20% 10% 20%	50V 50V 25V
C1523 C1524 C1525	1-163-243-11 1-136-177-00 1-104-665-11		47PF 1MF 100MF	5% 5% 20%	50V 50V 25V	C1807 C1808 C1809 C1810	1-104-665-11	CERAMIC CHIP	100MF	20% 10% 20% 10%	50V 50V 25V 50V
C1526 C1527 C1528 C1529	1-163-145-00	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0015 MF	5%	25V 50V 50V 50V	C1811 C1812 C1813	1-104-665-11 1-126-964-11 1-104-666-11	ELECT	100MF 10MF 220MF	20% 20% 20%	25V 50V 25V
C1530 C1531 C1532	1-104-664-11	ELECT CERAMIC CHIP	47MF	20% 10% 20%	16V 50V 50V	C1814 C1815 C1816		CERAMIC CHIP ELECT		10% 20% 20%	25V 25V 50V
C1601 C1602	1-163-009-11 1-163-009-11	CERAMIC CHIP CERAMIC CHIP	0.001MF 0.001MF	10% 10%	50V 50V 50V	C1817 C1818 C1819	1-163-133-00	CERAMIC CHIP CERAMIC CHIP	470PF	20% 10% 5%	50V 50V 50V 50V
C1603 C1604 C1605 C1606		FILM ELECT CERAMIC CHIP		5% 5% 20% 10%	50V 50V 50V	C1820 C1821 C1822	1-126-964-11 1-164-005-11	CERAMIC CHIP	10MF 0.47MF	5% 20%	50V 25V
C1607 C1610 C1611	1-137-370-11 1-126-960-11 1-126-960-11	ELECT ELECT	0.01MF 1MF 1MF	5% 20% 20%	50V 50V 50V	C1823 C1824 C1825 C1826	1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.47MF	5% 5% 20%	50V 25V 50V 25V
C1612 C1613 C1614	1-126-960-11 1-126-967-11 1-126-967-11	ELECT ELECT	1MF 47MF 47MF	20% 20% 20%	50V 50V 50V	C1827 C1828 C1829	1-104-664-11 1-104-664-11 1-104-664-11	ELECT ELECT	47MF 47MF 47MF	20% 20% 20%	25V 25V 25V
C1617 C1618 C1619 C1621 C1622	1-104-665-11	FILM CERAMIC CHIP	100MF	5% 5% 10% 20% 5%	50V 50V 25V 25V 50V	C1830	1-126-964-11	<connector></connector>	10MF	20%	50V
C1624 C1626 C1627 C1628 C1630	1-130-495-00 1-130-495-00	FILM FILM CERAMIC CHIP ELECT	0.1MF 0.1MF	5% 5%	50V 50V 50V 50V 50V	CN1502 CN1601 CN1604	1-695-915-11 * 1-564-508-11 * 1-564-507-11	PLUG, CONNEC TAB (CONTACT PLUG, CONNEC PLUG, CONNEC PIN, CONNECTO) TOR 5P TOR 4P	ITCH) ⁴	4P
C1631 C1632 C1633 C1634 C1635	1-128-550-21 1-104-664-11 1-104-664-11 1-126-961-11 1-104-666-11	ELECT ELECT ELECT	2200MF 47MF 47MF 2.2MF 220MF	20% 20% 20% 20% 20%	50V 25V 25V 50V 25V	CN1701 CN1702 CN1703 CN1705	* 1-564-511-11 * 1-564-516-11 * 1-779-890-11 * 1-564-505-11	CONNECTOR, B PLUG, CONNEC PLUG, CONNEC CONNECTOR, B PLUG, CONNEC	TOR 8P TOR 13P OARD TO TOR 2P		
C1650 C1651 C1701 C1702 C1703		ELECT		5% 5% 20% 20% 20%	50V 50V 50V 50V 50V	CN1801 CN1802 CN1803 CN1804	1-695-299-11 * 1-764-334-11 * 1-564-513-11 * 1-564-508-11	PLUG, CONNEC CONNECTOR, B PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	OARD TO TOR 11P TOR 10P TOR 5P		
C1704 C1705 C1706 C1707 C1708	1-163-251-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF	20% 5% 5% 10% 20%	50V 50V 50V 50V 16V	CN1806 CN1807	* 1-779-890-11 * 1-564-511-11	CONNECTOR, B CONNECTOR, B PLUG, CONNEC PLUG, CONNEC	OARD TO TOR 8P		
C1709 C1710 C1711 C1715 C1716	1-164-232-11 1-163-243-11 1-163-243-11 1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 47PF 47PF 0.01MF	10% 5% 5% 10% 10%	50V 50V 50V 50V 50V	D1501 D1502 D1503 D1504	8-719-908-03 8-719-908-03	<diode rd5.6es<br="">DIODE GP08D DIODE GP08D DIODE 1SS133T-</diode>			



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		I	REMARK
D1505	8-719-988-61	DIODE 1SS355TE-17		JR1514 JR1701	1-216-295-91 1-216-295-91		0	-	
D1601 D1603 D1604 D1606	8-719-991-33 8-719-991-33 8-719-991-33	DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77				<coil></coil>			
D1611 D1612 D1613 D1614 D1615	8-719-991-33 8-719-921-86 8-719-991-33	DIODE MTZJ-13 DIODE 1SS133T-77 DIODE MTZJ-13 DIODE 1SS133T-77 DIODE 1SS133T-77		L1501 L1601 L1602 L1701 L1702	1-402-711-21 1-402-711-21 1-408-603-31	INDUCTOR 8.21 INDUCTOR 1UI INDUCTOR 1UI INDUCTOR 10U INDUCTOR 3.91	H H JH		
D1616		DIODE 1SS133T-77 DIODE 1SS133T-77		L1801	1-408-603-31	INDUCTOR 10U	JΗ		
D1617 D1618 D1619 D1620	8-719-991-33 8-719-991-33	DIODE MA3240-TX DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE MA3240-TX		Q1501	8-729-120-28	<transistor: 2<="" td="" transistor=""><td></td><td>1.6</td><td></td></transistor:>		1.6	
D1621 D1622	8-719-403-00 8-719-403-00	DIODE MA3240-TX DIODE MA3240-TX		Q1502 Q1503 Q1505	8-729-920-72 8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1037K-T SC1623-L5I SC1623-L5I	'-146-QR L6 L6	t.
D1703 D1704 D1705 D1706	8-719-109-89 8-719-109-84	DIODE RD5.6ESB2 DIODE RD5.6ESB2 DIODE RD5.1ESB1 DIODE RD5.1ESB1		Q1601 Q1602 Q1603	8-729-120-28 8-729-027-56	TRANSISTOR I	SC1623-L5I DTC143TKA	L6 -T146	
D1707 D1708 D1709	8-719-109-84	DIODE RD5.1ESB1 DIODE RD5.1ESB1 DIODE RD4.7ESB2		Q1604 Q1605 Q1607	8-729-027-56	TRANSISTOR E TRANSISTOR E TRANSISTOR 2	TC143TKA	-T146	
D1710 D1711	8-719-109-81 8-719-109-81	DIODE RD4.7ESB2 DIODE RD4.7ESB2		Q1608 Q1609 Q1610	1-801-806-11 8-729-920-72	TRANSISTOR 2 TRANSISTOR I TRANSISTOR 2	TC144EKA SA1037K-T	-T146 '-146-QR	ŧ.
D1712 D1801 D1802 D1803	8-719-923-60 8-719-923-60 8-719-923-60	DIODE RD4.7ESB2 DIODE MTZJ-T-77-9.1A DIODE MTZJ-T-77-9.1A DIODE MTZJ-T-77-9.1A		Q1611 Q1612 Q1613	8-729-027-56 8-729-027-56	TRANSISTOR I	TC143TKA TC143TKA	x-T146 x-T146	
D1804 D1805 D1806	8-719-923-60	DIODE MTZJ-T-77-9.1A DIODE MTZJ-T-77-9.1A DIODE MTZJ-T-77-9.1A		Q1614 Q1615 Q1616 Q1617	8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5I SC1623-L5I	L6 L6	
		<ic></ic>		Q1701 Q1702		TRANSISTOR 2 TRANSISTOR 2			
IC1501 IC1502	8-759-251-31	IC STV9379 IC CA0007AM		Q1703 Q1704 Q1705	8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5I SC1623-L5I	L6 L6	
IC1503 IC1602 IC1603	8-759-502-21	IC TDA7264 IC TDA2822M		Q1706 Q1707 Q1708	1-801-806-11 8-729-027-38	TRANSISTOR 2 TRANSISTOR I TRANSISTOR I	TC144EKA TA144EKA	λ-T146 λ-T146	
IC1701 IC1702 IC1703 IC1704	8-759-527-76 8-759-100-96	IC CXP86213-002S IC M24C08-MN6T IC uPC4558G2 IC uPC4558G2		Q1709 Q1710 Q1711	8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5I	L6	
IC1706 IC1801 IC1802	8-759-352-91 8-759-144-82	IC PST9143NL IC uPC2405HF IC PQ09RF2		Q1801 Q1802 Q1803 Q1804	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5I SC1623-L5I SC1623-L5I	L6 L6 L6	
IC1803 IC1804 IC1805	8-759-069-28	IC TA7812S IC PQ05RF11 IC uPC4558G2		Q1805 Q1806 Q1807 Q1808	8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5I SC1623-L5I	L6 L6	,
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J1601	1-784-653-11	JACK, PHONO 2P (AUDIO	OOUT)			<resistor></resistor>			
		<chip conductor=""></chip>		R1501 R1502		METAL OXIDE METAL CHIP	2.2 6.8K	5% 0.50%	1W F 1/10W
JR1502 JR1503 JR1504	1-216-295-91 1-216-295-91 1-216-295-91	SHORT 0 SHORT 0		R1504 R1505 R1506	1-216-675-11 1-249-377-11	METAL CHIP	10K 0.47	0.50% 5% 5%	1/10W 1/4W F 2W F
JR1505 JR1506 JR1508	1-216-295-91 1-216-295-91 1-216-295-91	SHORT 0 SHORT 0		R1507 R1508 R1509		CARBON METAL CHIP	22K 1.5 6.8K	5% 5% 0.50%	1/10W 1/4W F 1/10W
JR1510 JR1511 JR1512 JR1513	1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91	SHORT 0 SHORT 0		R1510 R1511 R1512	1-216-675-11 1-216-057-00 1-216-085-00		10K 2.2K 33K	0.50% 5% 5%	1/10W 1/10W
0111010	1 210 275-71	J.10111 U		111312	1 210 000-00	,	JJ11	570	1/10/11

\Box

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
R1513 R1514	1-216-049-00 1-216-073-00		1K 10K	5% 5%	1/10W 1/10W	R1654	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1514 R1515	1-216-073-00		10K 10K	5%	1/10W 1/10W	R1655	1-216-073-00	RES.CHIP	10K	5%	1/10W
R1516	1-216-073-00	RES,CHIP	10K	5%	1/10 W	R1656	1-216-295-00		0		
D1517	1 216 001 00	DEC CHID	221/	F0/	1/10337	R1701	1-216-065-00		4.7K	5%	1/10W
R1517 R1518	1-216-081-00	METAL OXIDE	22K 2.2	5% 5%	1/10W 1W F	R1702 R1703	1-216-065-00 1-216-065-00		4.7K 4.7K	5% 5%	1/10W 1/10W
R1519	1-216-073-00		10K	5%	1/10W	111705	1 210 005 00	RES,CIIII	1.71	570	1/10//
R1520	1-216-089-00		47K	5%	1/10W	R1704	1-216-065-00		4.7K	5%	1/10W
R1521	1-216-097-00	RES,CHIP	100K	5%	1/10W	R1705 R1706	1-216-065-00 1-216-065-00		4.7K 4.7K	5% 5%	1/10W 1/10W
R1522	1-216-089-91	RES.CHIP	47K	5%	1/10W	R1700	1-216-025-00		100	5%	1/10W
R1525	1-216-083-00		27K	5%	1/10W	R1708	1-216-025-00	RES,CHIP	100	5%	1/10W
R1526 R1527	1-216-083-00 1-216-117-00		27K 680K	5% 5%	1/10W 1/10W	R1709	1-216-025-00	DEC CHID	100	5%	1/10W
R1528	1-216-117-00		680K	5%	1/10W 1/10W	R1709 R1710	1-216-023-00		160 1K	5%	1/10W 1/10W
						R1711	1-216-089-00	RES,CHIP	47K	5%	1/10W
R1529	1-216-025-00		100	5%	1/10W	R1712	1-216-073-00		10K	5%	1/10W
R1530 R1531	1-216-097-00 1-216-089-00		100K 47K	5% 5%	1/10W 1/10W	R1713	1-216-089-00	RES,CHIP	47K	5%	1/10W
R1532	1-216-025-00		100	5%	1/10W	R1714	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1533	1-249-377-11	CARBON	0.47	5%	1/4W F		1-216-089-00		47K	5%	1/10W
R1534	1-216-089-91	DEC CHID	47K	5%	1/10W	R1716 R1717	1-216-033-00 1-216-089-00		220 47K	5% 5%	1/10W 1/10W
R1534 R1537	1-216-073-00		10K	5%	1/10W 1/10W	R1717	1-216-057-00		2.2K	5%	1/10W 1/10W
R1538	1-216-083-00	RES,CHIP	27K	5%	1/10W			,			
R1539	1-216-073-00		10K	5%	1/10W	R1719	1-216-033-00 1-216-033-00		220	5%	1/10W
R1540	1-216-091-00	кез,спіг	56K	5%	1/10W	R1720 R1721	1-216-033-00	,	220 220	5% 5%	1/10W 1/10W
R1541	1-216-091-00	RES,CHIP	56K	5%	1/10W	R1722	1-216-033-00		220	5%	1/10W
R1542	1-216-093-91		68K	5%	1/10W	R1725	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R1543 R1601	1-216-093-91 1-216-025-00		68K 100	5% 5%	1/10W 1/10W	R1726	1-216-295-00	SHORT	0		
R1602	1-216-041-00	,	470	5%	1/10W	R1727	1-216-033-00		220	5%	1/10W
D4 400		DEG CIVID	450		4 /4 0***	R1728	1-216-025-00		100	5%	1/10W
R1603 R1604	1-216-041-00 1-216-113-00		470 470K	5% 5%	1/10W 1/10W	R1729 R1730	1-216-025-00 1-216-057-00		100 2.2K	5% 5%	1/10W 1/10W
R1605	1-216-113-00		470K	5%	1/10W	K1750	1-210-037-00	KL5,CIII	2.21	370	1/10 **
R1606	1-249-397-11		22	5%	1/4W F	R1731	1-216-033-00		220	5%	1/10W
R1607	1-249-397-11	CARBON	22	5%	1/4W F	R1732	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W
R1608	1-249-425-11	CARBON	4.7K	5%	1/4W F	R1733 R1734	1-216-049-00		1 K 1 K	5%	1/10W 1/10W
R1609	1-216-081-00		22K	5%	1/10W	R1735	1-216-089-00		47K	5%	1/10W
R1610	1-216-081-00		22K	5%	1/10W	D1726	1 216 022 00	DEC CHID	220	£0/	1/10337
R1611 R1614	1-249-425-11	METAL OXIDE	4.7K 4.7	5% 5%	1/4W F 1W F	R1736 R1737	1-216-033-00 1-216-033-00		220 220	5% 5%	1/10W 1/10W
11011	1 210 337 00	METAL OADE	1.7	570	1,,	R1738	1-216-025-00		100	5%	1/10W
R1615		METAL OXIDE		5%	1W F		1-216-073-00		10K	5%	1/10W
R1617 R1618	1-216-069-00 1-216-081-00		6.8K 22K	5% 5%	1/10W 1/10W	R1740	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1620	1-216-065-00		4.7K	5%	1/10W	R1741	1-216-033-00	RES,CHIP	220	5%	1/10W
R1625	1-216-061-00	RES,CHIP	3.3K	5%	1/10 W	R1742	1-216-033-00	,	220	5%	1/10W
R1626	1-216-061-00	DEC CHID	3.3K	5%	1/10W	R1743 R1744	1-216-025-00 1-216-033-00		100 220	5% 5%	1/10W 1/10W
R1629	1-216-001-00		1K	5%	1/10W 1/10W	R1745	1-216-033-00		10K	5%	1/10W
R1630	1-216-081-00		22K	5%	1/10W						
R1631 R1632	1-249-389-11 1-216-089-91		4.7 47K	5% 5%	1/4W F 1/10W	R1746 R1747	1-216-025-00 1-216-025-00		100 100	5% 5%	1/10W 1/10W
K1032	1-210-009-91	KE5,CIII	4/IX	370	1/10 W	R1748	1-216-025-00		100	5%	1/10W
R1633	1-216-089-91		47K	5%	1/10W	R1749	1-216-033-00		220	5%	1/10W
R1634 R1635	1-216-081-00 1-216-049-91		22K	5% 5%	1/10W 1/10W	R1750	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1636	1-216-049-91		1K 12K	5% 5%	1/10W 1/10W	R1751	1-216-033-00	RES.CHIP	220	5%	1/10W
R1637	1-216-049-00		1K	5%	1/10W	R1752	1-216-025-00		100	5%	1/10W
D1620	1 216 072 00	DEC CIUD	1017	50/	1/10337	R1753	1-216-073-00		10K	5%	1/10W
R1638 R1639	1-216-073-00 1-216-049-91		10K 1K	5% 5%	1/10W 1/10W	R1754 R1755	1-216-073-00 1-216-025-00		10K 100	5% 5%	1/10W 1/10W
R1640	1-216-025-00		100	5%	1/10W	111755	1 210 023 00	RES,CIII	100	570	1/10//
R1641	1-216-065-00		4.7K	5%	1/10W	R1756	1-216-073-00		10K	5%	1/10W
R1642	1-216-049-00	KES,CHIP	1K	5%	1/10W	R1757 R1758	1-216-073-00 1-216-025-00		10K 100	5% 5%	1/10W 1/10W
R1643	1-216-073-00		10K	5%	1/10W	R1759	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1644	1-216-075-00		12K	5%	1/10W	R1760	1-216-073-00		10K	5%	1/10W
R1645 R1648	1-216-041-00 1-249-381-11		470 1	5% 5%	1/10W 1/4W F	R1762	1-216-065-00	RES CHIP	4.7K	5%	1/10W
R1649	1-216-089-00		47K	5%	1/4 W 1	R1763		METAL CHIP	4.7K 4.3K	0.50%	1/10W
						R1764	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R1650 R1651	1-216-033-00 1-216-073-00		220 10K	5% 5%	1/10W 1/10W	R1765 R1766	1-216-073-00 1-216-049-91		10K 1K	5% 5%	1/10W 1/10W
R1652	1-216-073-00		120K	5%	1/10W 1/10W	K1 / UU	1-210-047-91	KLD,CIIII	117	J /0	1/10 **
R1653	1-216-049-91		1K	5%	1/10W	R1767	1-216-113-00	RES,CHIP	470K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION		I	REMARK
R1768	1-216-049-91		1K	5%	1/10W						
R1769 R1770	1-216-115-00 1-216-049-91		560K 1K	5% 5%	1/10W 1/10W			<relay></relay>			
R1771	1-216-113-00	RES,CHIP	470K	5%	1/10W	RY1601 RY1602					
R1772	1-216-049-91		1K	5%	1/10W	K11002	2 1-733-028-11	RELAT			
R1773 R1774	1-216-073-00 1-216-025-00		10K 100	5% 5%	1/10W 1/10W			<terminal bo<="" td=""><td>OARD></td><td></td><td></td></terminal>	OARD>		
R1775	1-216-115-00	RES,CHIP	560K 1K	5%	1/10W	TD 1601	1 604 202 11				
R1778	1-216-049-91			5%	1/10W	TB1601	1-094-303-11	TERMINAL, PU	SH		
R1786 R1787	1-216-025-00 1-216-025-00		100 100	5% 5%	1/10W 1/10W			<crystal></crystal>			
R1788	1-216-025-00	RES,CHIP	100	5%	1/10W						
R1789 R1790	1-216-049-00 1-216-025-00		1K 100	5% 5%	1/10W 1/10W	X1701	1-579-125-11	VIBRATOR, CE	RAMIC(8.0	MHz)	
R1791	1-216-025-00	RES CHIP	100	5%	1/10W						
R1792	1-216-089-00	RES,CHIP	47K	5%	1/10W	******	*******	******	******	******	*****
R1793 R1794	1-216-089-00 1-216-089-00		47K 47K	5% 5%	1/10W 1/10W		* A-1348-006-A	A E BOARD, CO	MPLETE (4	1 inch M	(ODEL)
R1795	1-216-089-00		47K	5%	1/10W			********			,
R1802		METAL OXIDE		5%	3W F		* A-1346-829-A	E BOARD, CO		8 inch M	IODEL)
R1803 R1804	1-216-073-00 1-216-113-00		10K 470K	5% 5%	1/10W 1/10W			*********	*****		
R1805	1-216-113-00	RES,CHIP	470K	5%	1/10W			SCREW (M3X10)	
R1806	1-216-023-00	RES,CHIP	82	5%	1/10W		7-682-952-09	SCREW +PSW 3	X16		
R1807 R1808	1-216-059-00 1-216-059-00		2.7K 2.7K	5% 5%	1/10W 1/10W			<capacitor></capacitor>			
R1809	1-216-097-00	RES,CHIP	100K	5%	1/10W						
R1810 R1811	1-216-023-00 1-216-025-00		82 100	5% 5%	1/10W 1/10W	C502 C505	1-126-959-11 1-130-471-00		0.47MF 0.001MF	20% 5%	50V 50V
						C506	1-126-933-11	ELECT	100MF	20%	16V
R1812 R1813	1-216-025-00 1-216-049-00		100 1K	5% 5%	1/10W 1/10W	C507 C508	1-126-965-11 1-102-228-00		22MF 470PF	20% 10%	50V 500V
R1814	1-216-023-00		82	5%	1/10W	C500	1 107 292 00	MAZIAD	0.047ME	100/	2001/
R1815 R1816	1-216-025-00 1-216-025-00		100 100	5% 5%	1/10W 1/10W	C509 C511	1-106-383-00 1-130-475-00		0.047MF 0.0022MF	10% 5%	200V 50V
R1817	1-216-025-00		100	5%	1/10W	C512 C513	1-136-479-11 1-126-965-11		0.001MF 22MF	5% 20%	50V 50V
R1818	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	C514	△ 1-162-116-91		680PF	10%	2KV
R1819 R1820	1-216-059-00 1-216-059-00		2.7K 2.7K	5% 5%	1/10W 1/10W	C515	△ 1-125-831-91	FILM	0.033MF	3%	630V
R1821	1-216-025-00		100	5%	1/10W	C516	₾ 1-117-648-11	FILM	15000PF	3%	1.2KV
R1822	1-216-089-00	RES,CHIP	47K	5%	1/10 W	C518 C519	1-130-495-00 1-106-359-00		0.1MF 0.0047MF	5% 10%	50V 100V
R1823 R1824	1-216-089-00 1-216-089-00		47K 47K	5% 5%	1/10W 1/10W	C520	1-162-116-00	CERAMIC	680PF	10%	2KV
R1825	1-216-089-00	RES,CHIP	47K 47K	5%	1/10W 1/10W	C521	1-162-116-00	CERAMIC	680PF	10%	2KV
R1826	1-216-089-00	RES,CHIP	47K	5%	1/10W	C523 C524	1-115-522-11 1-106-359-00		1MF 0.0047MF	5% 10%	250V 100V
R1827	1-216-089-00		47K	5%	1/10W	C526	1-102-228-00	CERAMIC	470PF	10%	500V
R1828 R1829	1-216-089-00 1-216-089-00		47K 47K	5% 5%	1/10W 1/10W	C527	1-126-970-11	ELECT	330MF	20%	50V
R1830	1-216-073-00	RES,CHIP	10K	5%	1/10W	C528	1-107-957-11		1MF	20%	250V
R1831	1-216-063-91	KES,CHIP	3.9K	5%	1/10W	C529 C530	1-109-844-11 1-107-648-91		0.68MF 100MF	5% 20%	250V 160V
R1832	1-216-049-00		1K	5%	1/10W	C531	1-126-971-11	ELECT	470MF	20%	50V
R1833 R1834	1-216-041-00 1-216-049-00		470 1K	5% 5%	1/10W 1/10W	C532	1-126-971-11	ELECT	470MF	20%	50V
R1835 R1836	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W	C533 C535	1-107-655-11 1-106-387-00		47MF 0.068MF	20% 10%	250V 200V
						C536	1-137-374-11	FILM	0.047MF	5%	50V
R1837 R1838	1-216-049-00 1-216-041-00		1K 470	5% 5%	1/10W 1/10W	C537 C538	1-126-968-11 1-126-968-11		100MF 100MF	20% 20%	50V 50V
R1839	1-216-049-00	RES,CHIP	1K	5%	1/10W					2070	
R1840 R1841	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W	C539 C540	1-162-114-00 1-137-372-11		0.0047MF 0.022MF	5%	2KV 50V
						C541	1-137-374-11	FILM	0.047MF	5%	50V
R1842 R1843	1-216-049-00 1-216-041-00		1K 470	5% 5%	1/10W 1/10W	C542 C544	1-126-934-11 1-104-665-11		220MF 100MF	20% 20%	16V 25V
R1844	1-216-049-00	RES,CHIP	1K	5%	1/10W						
R1845 R1846	1-216-049-00 1-216-049-00		1K 1K	5% 5%	1/10W 1/10W	C545 C548	1-104-665-11 1-102-244-00	CERAMIC	100MF 220PF	20% 10%	25V 500V
R1847	1-216-049-00	BES CHID	1K	5%	1/10W	C550 C551	1-126-935-11 1-126-935-11		470MF 470MF	20% 20%	16V 16V
R1848	1-216-049-00	RES,CHIP	1K	5%	1/10W	C554	1-130-062-91		0.0056MF		630V
R1849	1-216-041-00	RES,CHIP	470	5%	1/10W	C555	1-126-960-11	ELECT	1MF	20%	50V
					'			-			



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C556 C701 C801 C802	1-130-495-00 1-126-933-11 1-104-665-11 1-104-665-11	ELECT ELECT	0.1MF 100MF 100MF 100MF	5% 20% 20% 20%	50V 16V 25V 25V	C867 C868 C869	1-104-664-11 1-164-096-11 1-130-487-00	CERAMIC	47MF 0.01MF 0.022MF	20% 5%	25V 50V 50V
C803 C804 C805	1-126-934-11 1-126-934-11 1-126-934-11	ELECT ELECT	220MF 220MF 220MF	20% 20% 20% 20%	16V 16V 16V	C870 C872 C873	1-164-096-11 1-126-960-11 1-126-964-11	ELECT	0.01MF 1MF 10MF	20% 20%	50V 50V 50V (41 inch)
C806 C807	1-126-934-11 1-137-374-11		220MF 0.047MF	20% 5%	16V 50V	C884 C875	1-104-664-11 1-164-096-11		47MF 0.01MF	20%	25V 50V
C808 C809 C810 C811 C812	1-137-374-11 1-137-374-11 1-137-374-11 1-102-074-00 1-136-169-00	FILM FILM CERAMIC	0.047MF 0.047MF 0.047MF 0.001MF 0.22MF	5% 5% 5% 10% 5%	50V 50V 50V 50V 50V	C876 C877 C878 C879 C880	1-102-973-00 1-102-973-00 1-104-664-11 1-104-664-11 1-104-664-11	CERAMIC ELECT ELECT	100PF 100PF 47MF 47MF 47MF	5% 5% 20% 20% 20%	50V 50V 25V 25V 25V
C813 C815 C816 C817 C818	1-137-374-11 1-104-665-11 1-130-014-00 1-104-664-11 1-126-933-11	ELECT FILM ELECT	0.047MF 100MF 470PF 47MF 100MF	5% 20% 5% 20% 20%	50V 25V 50V 25V 16V	C881 C882 C883 C884 C885	1-102-973-00 1-102-973-00 1-102-973-00 1-104-665-11 1-104-664-11	CERAMIC CERAMIC ELECT	100PF 100PF 100PF 100MF 47MF	5% 5% 5% 20% 20%	50V 50V 50V 25V 25V
C819 C820 C821 C822 C823	1-104-664-11 1-102-129-00 1-130-495-00 1-107-648-91 1-104-664-11	CERAMIC MYLAR ELECT	47MF 0.01MF 0.1MF 100MF 47MF	20% 10% 5% 20% 20%	25V 50V 50V 160V 25V	C886 C887 C888 C889 C897	1-102-973-00 1-102-973-00 1-102-973-00 1-104-665-11 1-104-665-11	CERAMIC CERAMIC ELECT	100PF 100PF 100PF 100MF 100MF	5% 5% 5% 20% 20%	50V 50V 50V 25V 25V
C824	1-126-964-11		10MF	20%	50V (41 inch)	C878	1-164-096-11	CERAMIC	0.01MF		50V
C825 C826 C827 C828	1-104-665-11 1-136-165-00 1-126-964-11 1-102-824-00	FILM ELECT	100MF 0.1MF 10MF 470PF	20% 5% 20% 5%	25V 50V 50V 50V	GN501	w 1 5 c 4 5 1 2 1 1	<connector></connector>			
C829 C830 C831 C832 C833	1-126-959-11 1-102-824-00 1-126-960-11 1-126-960-11 1-126-960-11	CERAMIC ELECT ELECT	0.47MF 470PF 1MF 1MF 1MF	20% 5% 20% 20% 20%	50V 50V 50V 50V 50V	CN501 CN502 CN503 CN504 CN505	* 1-580-689-11 * 1-580-689-11 * 1-580-689-11 * 1-506-371-00	PLUG, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO	OR (PC BO OR (PC BO OR (PC BO OR 2P	ARD) 4	4P 4P
C834 C835 C836 C837 C838	1-126-968-11 1-126-967-11 1-136-169-00 1-126-963-11 1-104-665-11	ELECT FILM ELECT	100MF 47MF 0.22MF 4.7MF 100MF	20% 20% 5% 20% 20%	50V 50V 50V 50V 25V	CN506 CN507 CN508 CN651 CN652	* 1-564-507-11 1-695-915-11 * 1-779-892-11	CONNECTOR, E PLUG, CONNEC TAB (CONTACT CONNECTOR, E CONNECTOR, E	CTOR 4P F) BOARD TO	BOAR	RD 10P
C839 C840 C841 C842 C843	1-137-374-11 1-104-665-11 1-137-374-11 1-137-374-11 1-104-664-11	ELECT FILM FILM	0.047MF 100MF 0.047MF 0.047MF 47MF	5% 20% 5% 5% 20%	50V 25V 50V 50V 25V	CN801 CN802 CN803 CN804 CN805	* 1-564-507-11 * 1-564-507-11 * 1-779-892-11	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC CONNECTOR, E PIN, CONNECTO	CTOR 4P CTOR 4P BOARD TO		
C844 C845 C846	1-126-933-11 1-126-933-11 1-126-933-11	ELECT ELECT ELECT	100MF 100MF 100MF	20% 20% 20%	16V 16V 16V	CN806 CN807 CN808 CN810	* 1-564-509-11 * 1-573-986-11	PIN, CONNECTO PLUG, CONNECTO PIN, CONNECTO PIN, CONNECTO	TOR 6P OR (PC BO	ARD) :	5P
C847 C848 C849	1-126-933-11 1-126-933-11 1-102-973-00	ELECT	100MF 100MF 100PF	20% 20% 5%	16V 16V 50V			<diode></diode>			
C850 C851 C852 C853 C854	1-102-973-00 1-137-374-11 1-137-374-11 1-137-374-11 1-126-933-11	FILM FILM FILM	100PF 0.047MF 0.047MF 0.047MF 100MF	5% 5% 5% 5% 20%	50V 50V 50V 50V 16V	D501 D502 D503 D504 D507	8-719-991-33 8-719-991-33 8-719-921-63	DIODE 1SS133T DIODE 1SS133T DIODE 1SS133T DIODE MTZJ-7. DIODE EL1Z	-77 -77		
C855 C856 C857 C858 C859	1-102-973-00 1-102-973-00 1-126-933-11 1-104-665-11 1-104-665-11	CERAMIC ELECT ELECT	100PF 100PF 100MF 100MF 100MF	5% 5% 20% 20% 20%	50V 50V 16V 25V 25V	D508 D509 D510 D511 D512	8-719-945-80 8-719-991-33 8-719-302-43	DIODE ERD29-(DIODE ERC06-1 DIODE 1SS133T DIODE EL1Z DIODE 1SS133T	5S -77		
C860 C861 C862 C863 C864	1-126-933-11 1-137-374-11 1-137-374-11 1-137-374-11 1-126-933-11	FILM FILM FILM	100MF 0.047MF 0.047MF 0.047MF 100MF	20% 5% 5% 5% 20%	16V 50V 50V 50V 16V	D513 D514 D515 D517 D519	8-719-908-03 8-719-908-03 8-719-018-82	DIODE EL1Z DIODE GP08D DIODE GP08D DIODE RGP02-2 DIODE 1SS133T			
C865 C866	1-137-366-11 1-136-177-00		0.0022MF 1MF	5% 5%	50V 50V	D520 D521		DIODE EL1Z DIODE EL1Z			

• The components identified by

in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

KP-EF41ME3/MN3/SN3, EF48MN3/SN3



		value originally used.							
REF. NO	. PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARI	<u>X</u>
D522 D523 D524	8-719-991-33 8-719-991-33	DIODE 1SS133T-77 (41 inch) DIODE 1SS133T-77 (41 inch) DIODE 1SS133T-77		Q506 Q507 Q701 Q702	8-729-032-61 8-729-119-78 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC5022-02 SC2785-HFE SC2785-HFE		
D527 D701 D702 D820 D829	8-719-109-63 8-719-991-33 8-719-109-68	DIODE RD5.1ESB2 DIODE RD3.0ESB2 DIODE 1SS133T-77 DIODE RD3.6ESB1 DIODE RD5.1ESB1		Q801 Q802 Q803 Q804	8-729-119-76 8-729-119-78 8-729-119-76	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SA1175-HFE SC2785-HFE SA1175-HFE		
D835 D840 D842 D845 D846	8-719-991-33 8-719-991-33 8-719-991-33	DIODE RD5.6ESB2 DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77		Q805 Q806 Q807 Q808 Q809 Q810 Q811	8-729-119-76 8-729-423-33 8-729-030-02 8-729-119-78 8-729-119-78	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR D TRANSISTOR D TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SA1175-HFE SC3311A-QRSTA TC144ESA SC2785-HFE SC2785-HFE	A (41 inch)	
FB501	1-410-397-21	<ferrite bead=""> FERRITE 1.1UH</ferrite>		Q812		TRANSISTOR 2			
		<ic></ic>				<resistor></resistor>			
IC501 IC801 IC802 IC803		IC uPC339C IC PA0053B IC PA0053B IC CA0007AD		R1 A R501 R502 R503 R504	1-249-421-11 1-216-465-21 1-247-843-11 1-249-419-11	METAL OXIDE CARBON	1% 2.2K 5% 27K 5% 3.3K 5% 1.5K 5%	1/4W 1/4W 2W 1/4W 1/4W	F
IC804 IC805 IC806 IC807 IC808 IC809	8-759-711-28 8-759-464-79 8-759-700-69 8-759-464-79	IC PM0011AS IC NJM2058D IC PM0011AS IC NJM79L12A-T3 IC PM0011AS IC STK392-150		R505 R506 R507 R508 R509	1-247-899-11 1-247-891-00 1-249-422-11 1-260-338-51 1-249-437-11	CARBON CARBON CARBON	680K 5% 330K 5% 2.7K 5% 6.8K 5% 47K 5%	1/4W 1/4W 1/4W 1/2W 1/4W	
IC810 IC811 IC812 IC813 IC814	8-749-014-37 8-759-981-96 8-759-701-56 8-759-701-65	IC STK392-150		R510 R511 R512 R513 R514	1-215-918-00		1.5K 5%	3W 3W 3W 1/4W 1/4W	F F F
L502		<coil> INDUCTOR 47UH</coil>		R516 R517 R518 R519 R522	1-215-467-00 1-215-449-00 1-249-436-11 1-249-429-11 1-249-428-11	METAL CARBON CARBON	82K 1% 15K 1% 39K 5% 10K 5% 8.2K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
L503 L505 L506 L801	1-459-111-00 Δ 1-416-637-11 1-412-552-11 1-406-979-11	INDUCTOR 10mH COIL, HORIZONTAL LINEARITY INDUCTOR 2.2mH INDUCTOR 220UH INDUCTOR 220UH	Y	R523 R524 R525 R527 R528	1-249-437-11 1-249-425-11 1-249-405-11 1-249-425-11	CARBON CARBON CARBON	47K 5% 4.7K 5% 100 5% 4.7K 5%	1/4W 1/4W 1/4W 1/4W 3W	F F
L803 NL501	1-406-665-11	INDUCTOR 100UH <neon lamp=""> LAMP, NEON</neon>		R529 R530 R531 R532 R533	1-215-449-00 1-249-429-11 1-260-326-11 1-260-315-71 1-214-912-00	METAL CARBON CARBON CARBON	15K 1% 10K 5% 680 5% 82 5% 91K 1%	1/4W 1/4W 1/2W 1/2W 1/2W	1
	△ 1-533-597-31	<ic link=""></ic>		R534 R535 R536 R537	1-215-479-00 1-247-887-00 1-249-377-11 1-260-336-11	METAL CARBON CARBON	270K 1% 220K 5% 0.47 5% 4.7K 5%	1/4W 1/4W 1/4W 1/2W	F
PS602 PS603 PS604	△ 1-533-597-31 △ 1-533-593-31 △ 1-533-593-31 △ 1-533-593-31	LINK, IC LINK, IC LINK, IC		R538 R539 R540	1-249-425-11 1-249-377-11 1-249-377-11	CARBON CARBON CARBON	4.7K 5% 0.47 5% 0.47 5%	1/4W 1/4W 1/4W	F F
PS607	△ 1-533-593-31 △ 1-533-593-31 △ 1-533-593-31	LINK, IC		R541 R542 R543	1-216-349-00	METAL OXIDE METAL OXIDE	1 5%	1/4W 1W 1W	F F
Q501 Q502		<transistor> TRANSISTOR 2SC2688-LK TRANSISTOR 2SD2539(LBSONY</transistor>	C-1)	R544 R545 R546 R547 R548	1-215-864-00 1-249-377-11 1-249-377-11 1-247-807-31 1-249-413-11	CARBON CARBON	150 5% 0.47 5% 0.47 5% 100 5% 470 5%	1W 1/4W 1/4W 1/4W 1/4W	F F F
Q502 Q503 Q504 Q505	8-729-119-76 8-729-823-81	TRANSISTOR 2SD2339(LBSONY TRANSISTOR 2SA1175-HFE TRANSISTOR 2SC4632LS-CB7 TRANSISTOR 2SK2251-01-F19	-1)	R549 R549	1-249-429-11 1-249-431-11		10K 5% 15K 5%	1/4W (48 in 1/4W (41 in	ĺ



REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
D.550	1 247 007 21	CARRON	100	-01	1 /4337	D000	1.040.407.11	CARRON	4577		1 / 4337
R550 R551	1-247-807-31 1-249-437-11			5% 5%	1/4W 1/4W	R820 R821	1-249-437-11 1-249-431-11		47K 15K	5% 5%	1/4W 1/4W
R552	1-247-807-31			5%	1/4W	R822	1-249-431-11		15K	5%	1/4W
					-,	R823	1-249-417-11		1K	5%	1/4W
R553	1-247-881-00			%	1/4W	R824	1-215-462-00	METAL	51K	1%	1/4W
R554	1-249-405-11 1-247-807-31			%	1/4W F	R825	1-249-441-11	CADDON	100K	5%	1/4W
R555 R556	1-260-099-11			5% 5%	1/4W 1/2W	R826	1-249-441-11		51K	3% 1%	1/4 W 1/4W
R557		METAL OXIDE		5%	3W F	R827		METAL OXIDE	82	5%	3W F
						R828	1-249-426-11		5.6K	5%	1/4W
R558		METAL OXIDE		5%	3W F	R829	1-249-426-11	CARBON	5.6K	5%	1/4W
R559 R560		METAL OXIDE DIODE 1SS133T		5%	3W F	R830	1-249-414-11	CARRON	560	5%	1/4W
R562	1-202-838-00			0%	1/2W	R831	1-249-414-11		560	5%	1/4W
R563	1-215-447-00	METAL	12K 1	%	1/4W	R832	1-249-441-11		100K	5%	1/4W
D.E.C.E	1 247 907 21	CARRON	100 5	0/	1 /4337	R833		METAL OXIDE	82 100V	5%	3W F
R565 R566	1-247-807-31 1-249-377-11			5% 5%	1/4W 1/4W F	R834	1-249-441-11	CARBON	100K	5%	1/4W
R567		METAL OXIDE		5%	3W F	R835	1-249-441-11	CARBON	100K	5%	1/4W
R568	1-247-903-00			5%	1/4W	R836	1-247-807-31		100	5%	1/4W
R569	1-216-388-11	METAL OXIDE	0.82	5%	3W F	R837	1-249-441-11		100K	5%	1/4W
R570	1-215-910-00	METAL OXIDE	68 5	5%	3W F	R838 R839	1-249-421-11 1-247-807-31		2.2K 100	5% 5%	1/4W 1/4W
R571	1-249-422-11			5%	1/4W	Ross	1 247 007 31	CHREON	100	370	1/4**
R572	1-247-895-91	CARBON	470K 5	5%	1/4W	R841	1-247-815-91		220	5%	1/4W
R573	1-249-438-11			%	1/4W	R842	1-247-807-31		100	5%	1/4W
R574	1-249-435-11	CARBON	33K 5	5%	1/4W	R843 R844	1-247-807-31 1-247-807-31		100 100	5% 5%	1/4W 1/4W
R576	1-247-807-31	CARBON	100 5	5%	1/4W	R845	1-249-441-11		100K	5%	1/4W
R577	1-249-422-11			5%	1/4W					- , -	
R578	1-215-473-00	METAL	150K 1	%	1/4W	R846	1-247-807-31		100	5%	1/4W
D 570	1-247-889-00	CADDON	270V 5	.0/	(41 inch) 1/4W	R847	1-215-481-00		330K	1%	1/4W 1/4W
R579 R580	1-247-889-00			5% 5%	1/4W 1/4W	R848 R850	1-215-449-00 1-215-481-00		15K 330K	1% 1%	1/4 W 1/4W
11000	12.0 .07.11	CI III DOI	.,11	, , 0	17	R851	1-247-807-31		100	5%	1/4W
R581	1-249-437-11			%	1/4W						
R583	1-249-428-11 1-249-429-11			5% 5%	1/4W 1/4W	R852	1-247-807-31 1-247-887-00		100 220K	5% 5%	1/4W 1/4W
R584 R585		METAL OXIDE		5%	3W F	R853 R854	1-249-429-11		10K	5%	1/4 W
R586		METAL OXIDE		5%	2W F	R856	1-247-807-31		100	5%	1/4W
						R857	1-247-807-31	CARBON	100	5%	1/4W
R588 R589	1-247-863-91 1-247-887-00			5% 5%	1/4W 1/4W	R858	1-215-455-00	METAI	27K	1%	1/4W
R591	1-249-425-11			5%	1/4W	R859	1-215-455-00		27K 27K	1%	1/4 W
R595	1-215-464-00			%	1/4W	R860	1-215-455-00		27K	1%	1/4W
D.50.6	1 215 452 00	MERAI	15015 1	0/	(41 inch)	R861	1-215-455-00		27K	1%	1/4W
R596	1-215-473-00	METAL	150K 1	%	1/4W (41 inch)	R862	1-215-455-00	METAL	27K	1%	1/4W
					(41 IIIcii)	R863	1-215-455-00	METAL	27K	1%	1/4W
R597	1-215-464-00	METAL	62K 1	%	1/4W	R865	1-249-424-11		3.9K	5%	1/4W
D701	1-215-449-00	METAI	1517 1	0/	(41 inch)	R866	1-249-437-11	CARBON	47K	5%	1/4W
R701 R702	1-215-449-00			% 5%	1/4W 1/4W	R867	1-215-455-00	METAL.	27K	1%	(41 inch) 1/4W
R703	1-249-421-11			5%	1/4W	R868	1-215-443-00	METAL	8.2K	1%	1/4W
R704	1-215-457-00	METAL	33K 1	%	1/4W						
R705	1-215-457-00	METAI	33K 1	%	1/4W	R869 R870	1-249-425-11 1-249-437-11		4.7K 47K	5% 5%	1/4W 1/4W
R705	1-215-457-00			%	1/4W	K6/U	1-249-437-11	CARBON	4/K	370	(41 inch)
R801	1-247-807-31			5%	1/4W	R871	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-247-807-31			%	1/4W	R872	1-249-425-11		4.7K	5%	1/4W
R803	1-249-430-11	CARBON	12K 5	5%	1/4W	R873	1-247-807-31	CARBON	100	5%	1/4W
R804	1-249-425-11	CARBON	4.7K 5	5%	1/4W	R874	1-249-435-11	CARBON	33K	5%	1/4W
R805	1-247-807-31			5%	1/4W	R875	1-249-441-11		100K	5%	1/4W
R806	1-249-429-11			%	1/4W	R877	1-249-422-11	CARBON	2.7K	5%	1/4W
R807 R808	1-247-807-31 1-249-429-11			5% 5%	1/4W 1/4W	R878	1-215-469-00	METAI	100K	1%	(41 inch) 1/4W
K606	1-249-429-11	CARBON	10K	70	1/4 **	Ko70	1-213-409-00	WIETAL	1001	1 /0	(41 inch)
R809	1-249-425-11			5%	1/4W	R879	1-215-445-00	METAL	10K	1%	1/4W
R810	1-247-807-31			5% 50/	1/4W	D001	1 240 400 11	CARRON	100	50/	1 /4337
R811 R813	1-247-807-31 1-247-863-91			5% 5%	1/4W 1/4W	R881 R882	1-249-408-11 1-249-429-11		180 10K	5% 5%	1/4W 1/4W
1013	1 271-003-91	CHRISON	2211	, ,0	(48inch)	R883	1-249-429-11		10K	5% 5%	1/4 W
R814	1-247-807-31	CARBON	100 5	5%	1/4W	R884	1-215-445-00	METAL	10K	1%	1/4W
D015	1 247 907 21	CARRON	100	.0/	1 /4337	R885	1-249-441-11	CARBON	100K	5%	1/4W
R815 R816	1-247-807-31 1-247-807-31			5% 5%	1/4W 1/4W	R886	1-249-428-11	CARBON	8.2K	5%	1/4W
R817	1-247-807-31			5%	1/4W	R887	1-247-807-31		100	5%	1/4W
R818	1-249-429-11	CARBON	10K 5	5%	1/4W	R888	1-247-807-31		100	5%	1/4W
R819	1-247-807-31	CARRON	100 5	5%	(48inch) 1/4W	R889 R890	1-249-439-11 1-249-441-11		68K 100K	5% 5%	1/4W 1/4W
1017	1 271-001-31	CHRISON	100	, ,0	1/7 **	1070	1 277- 71 1-11	CHRISTI	1001	5 /0	1/7 **



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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
						R954	1-215-433-00		3.3K	1%	1/4W
R891	1-247-843-11	CARBON	3.3K	5%	1/4W	R955	1-215-433-00	METAL	3.3K	1%	1/4W
R892	1-249-425-11	CARBON	4.7K	5%	1/4W	R956	1-249-429-11	CARBON	10 K	5%	1/4W
					(41 inch)						
R893	1-249-421-11	CARBON	2.2K	5%	1/4W	R957	1-214-800-11		2.2	1%	1/2W
					(41 inch)	R958	1-214-800-11	METAL	2.2	1%	1/2W
R894	1-215-455-00	METAL		1%	1/4W	R959	1-215-433-00		3.3K	1%	1/4W
R895	1-249-421-11	CARBON	2.2K	5%	1/4W	R961	1-249-425-11	CARBON	4.7K	5%	1/4W
						R962	1-214-800-11	METAL	2.2	1%	1/2W
R896	1-249-441-11	CARBON		5%	1/4W						
R897	1-247-807-31	CARBON		5%	1/4W	R963	1-214-800-11	METAL	2.2	1%	1/2W
R898	1-247-815-91	CARBON	220	5%	1/4W	R964	1-215-433-00	METAL	3.3K	1%	1/4W
R900	1-216-474-11	METAL OXIDE	82	5%	3W F	R965	1-215-433-00	METAL	3.3K	1%	1/4W
R901	1-215-449-00	METAL	15K	1%	1/4W	R966	1-247-815-91	CARBON	220	5%	1/4W
						R967	1-215-455-00	METAL	27K	1%	1/4W
R902	1-215-449-00	METAL	15K	1%	1/4W						
R903	1-215-421-00	METAL	1K	1%	1/4W						
R904	1-214-800-11	METAL	2.2	1%	1/2W	R968	1-215-455-00	METAL	27K	1%	1/4W
R905	1-214-800-11	METAL	2.2	1%	1/2W	R969	1-215-455-00	METAL	27K	1%	1/4W
R906	1-214-800-11	METAL		1%	1/2W	R970	1-215-455-00	METAL	27K	1%	1/4W
						R971	1-215-455-00	METAL	27K	1%	1/4W
R908	1-215-445-00	METAL	10K	1%	1/4W	R972	1-215-455-00		27K	1%	1/4W
R909	1-215-421-00	METAL		1%	1/4W						
R910	1-215-421-00			1%	1/4W	R973	1-214-800-11	METAL	2.2	1%	1/2W
R911	1-215-461-00			1%	1/4W	R974	1-215-455-00		27K	1%	1/4W
R912	1-215-445-00			1%	1/4W	R975	1-214-800-11		2.2	1%	1/2W
10712	1 213 443 00	WILITE	1010	1 /0	1/4//	R976	1-215-433-00		3.3K	1%	1/4W
R913	1-215-455-00	METAI	27K	1%	1/4W	R978	1-215-443-00		8.2K	1%	1/4W
R914	1-215-455-00			1%	1/4W	K)/O	1-213-443-00	WILIAL	0.2IX	1 /0	1/ - * * *
R915	1-215-455-00			1%	1/4W	R979	1-249-425-11	CADDON	4.7K	5%	1/4W
R916				1%	1/4W	R980	1-247-815-91		220	5% 5%	1/4W 1/4W
R917	1-215-455-00				1/4W	R981	1-247-815-91				1/4W 1/4W
K91/	1-215-455-00	MEIAL	27K	1%	1/4 W				220	5%	
D010	1 215 455 00	METAL	0717	1.0/	1 / 4337	R982	1-215-469-00		100K	1%	1/4W
R918	1-215-455-00			1%	1/4W	R983	1-247-815-91	CARBON	220	5%	1/4W
R919	1-249-435-11			5%	1/4W	2004		1. CDT 1. T	4077	4.07	4 / 4***
R920	1-214-800-11			1%	1/2W	R984	1-215-445-00		10K	1%	1/4W
R921	1-249-429-11			5%	1/4W	R985	1-249-429-11		10K	5%	1/4W
R922	1-215-445-00	METAL	10K	1%	1/4W	R986	1-215-449-00		15K	1%	1/4W
						R987	1-249-408-11		180	5%	1/4W
R923	1-249-425-11			5%	1/4W	R988	1-249-429-11	CARBON	10K	5%	1/4W
R924	1-215-445-00			1%	1/4W						
R925	1-249-425-11			5%	1/4W	R989	1-249-425-11		4.7K	5%	1/4W
R926	1-249-408-11	CARBON		5%	1/4W	R990	1-249-431-11		15K	5%	1/4W
R927	1-249-429-11	CARBON	10 K	5%	1/4W	R991	1-249-429-11	CARBON	10K	5%	1/4W
						R993	1-249-425-11	CARBON	4.7K	5%	1/4W
R928	1-249-429-11	CARBON		5%	1/4W	R994	1-216-474-11	METAL OXIDE	82	5%	3W F
R929	1-214-800-11	METAL	2.2	1%	1/2W						
R930	1-214-800-11	METAL	2.2	1%	1/2W	R997	1-215-445-00	METAL	10K	1%	1/4W
R931	1-215-445-00	METAL	10K	1%	1/4W						(41 inch)
R933	1-215-445-00	METAL	10K	1%	1/4W	R998	1-249-425-11	CARBON	4.7K	5%	1/4W
						R999	1-249-425-11	CARBON	4.7K	5%	1/4W
R934	1-249-422-11	CARBON	2.7K	5%	1/4W	R1901	1-249-439-11		68K	5%	1/4W
R935	1-249-429-11	CARBON	10K	5%	1/4W	R1904	1-249-425-11	CARBON	4.7K	5%	1/4W
R936	1-249-429-11			5%	1/4W						
R937	1-249-437-11			5%	1/4W						
R938	1-215-421-00			1%	1/4W			<spark gap=""></spark>			
	30										
R939	1-259-878-11	CARBON	1.5M	5%	1/4W	SG501	1-519-422-11	GAP, SPARK			
R940	1-249-441-11			5%	1/4W			,			
R941	1-249-441-11			5%	1/4W						
R942	1-249-421-11			5%	1/4W			<transforme< td=""><td>R></td><td></td><td></td></transforme<>	R>		
R943	1-249-441-11			5%	1/4W						
10, 10	12., 11	CI III DOI	10011	2 70	1, 1, 1,	T501	1-437-195-11	TRANSFORMER	HORIZO	NTAL	DRIVE
R944	1-215-421-00	METAI	1K	1%	1/4W			TRANSFORMER			
R945	1-249-437-11			5%	1/4W			FBT ASSY, NX-4			,
K)+3	1-247-437-11	CARDON	7/IX	370	(48 inch)	1304 2	<u>:</u> 1- 4 33-331-21	IDI ASSI, NA-	+012//WIJ1-	,	
R945	1-249-439-11	CARRON	68K	5%	1/4W						
ハクサン	1-4-7-437-11	CARDON	3014	J /0	(41 inch)						
D046	1-215-421-00	METAI	1 V	1 0/-		******	******	******	******	*****	******
R946				1%	1/4W	1111111111111					
R947	1-249-441-11	CAKBUN	100K	5%	1/4W		* 4 1272 510 4	III DOARD 34	OUNT		
DO 40	1 047 015 01	CADDON	220	E0/	1 / / 337		" A-15/2-518-A	. H1 BOARD, M			
R948	1-247-815-91			5%	1/4W			~~~~~~~***	~~~~		
R949	1-247-807-31			5%	1/4W						
R950	1-247-807-31			5%	1/4W			CADA CITAT			
R951	1-247-807-31			5%	1/4W			<capacitor></capacitor>			
R952	1-247-807-31	CARBON	100	5%	1/4W	ge		DI D.C.	403	• • •	
						C3003	1-126-157-11	ELECT	10MF	20%	16V
R953	1-249-437-11	CARBON	47K	5%	1/4W						
					(48 inch)						
R953	1-249-439-11	CARBON	39K	5%	1/4W						
					(41 inch)						

H1	UG	H2 Z	R								
REF. NO.	PART NO.	DESCRIPTION		Ī	REMARK	REF. NO.	PART NO.	DESCRIPTION		Ī	REMARK
		<connector:< td=""><td>></td><td></td><td></td><td></td><td></td><td><jack></jack></td><td></td><td></td><td></td></connector:<>	>					<jack></jack>			
CN3002	* 1-564-525-11	PLUG, CONNEC PLUG, CONNEC PIN, CONNECTO	CTOR 10P	ARD) 4F	,	J2901	1-784-654-11	JACK BLOCK, F	PIN (DVD I	N)	
		PIN, CONNECT						<resistor></resistor>			
		<diode></diode>				R2901 R2902	1-216-022-00 1-216-033-00	, -	75 220	5% 5%	1/10W 1/10W
D3002	8-719-992-06	DIODE SLA-580	LT3F			R2903 R2904 R2905	1-216-022-00 1-216-033-00 1-216-022-00	RES,CHIP	75 220 75	5% 5% 5%	1/10W 1/10W 1/10W
		<ic></ic>				R2906	1-216-033-00		220	5%	1/10W
IC3002	8-742-014-11	HYB IC SBX198	31-51			R2907 R2908	1-216-113-00 1-216-113-00		470K 470K	5% 5%	1/10W 1/10W
		<transistor:< td=""><td>></td><td></td><td></td><td></td><td>ماه ماه ماه ماه ماه ماه ماه ماه ماه ماه</td><td>*****</td><td>ale ale ale ale ale ale ale ale ale</td><td>ale ale ale ale ale ale ale</td><td>la sia sia sia sia sia sia</td></transistor:<>	>				ماه ماه ماه ماه ماه ماه ماه ماه ماه ماه	*****	ale ale ale ale ale ale ale ale ale	ale ale ale ale ale ale ale	la sia sia sia sia sia sia
Q3002	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		 - -				ale ale ale ale ale ale ale a	ie sie sie sie sie sie sie s
		<resistor></resistor>				•	* A-1375-177-A	A H2 BOARD, C0 **********		:	
R3001		METAL CHIP	22K	0.50%	1/10W			<capacitor></capacitor>			
R3002 R3006 R3007 R3009	1-216-667-11	METAL CHIP METAL CHIP METAL CHIP RES,CHIP	10K 4.7K 2.7K 470	0.50% 0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W	C3203 C3204 C3205		ELECT CERAMIC CHIP CERAMIC CHIP		20% 10% 10%	16V 50V 50V
R3010	1-216-045-00	RES,CHIP	680	5%	1/10W			<connector></connector>	>		
		<switch></switch>						PLUG, CONNEC			
S3001 S3002 S3003 S3004	1-692-431-21 1-692-431-21	SWITCH, TACT SWITCH, TACT SWITCH, TACT SWITCH, TACT	IL (PROG - IL (VOL +)	-) [´]				PLUG, CONNEC PLUG, CONNEC <jack></jack>			
S3004 S3005		SWITCH, TACT		DEO)		J3201	1 704 659 11	TERMINAL BLO	OCK S (S)	VIDEO II	AT)
S3006 Z	<u>1-571-434-21</u>	SWITCH, PUSH	(AC POWI	ER)		J3201 J3202		JACK 1P (HEAD		VIDEO II	N)
*****	*****	******	******	******	*****			<coil></coil>			
		UG BOARD, N	10UNT			L3201 L3202		INDUCTOR 100 INDUCTOR 100			
								<transistor></transistor>	>		
		<capacitor></capacitor>				Q3201	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6	
C2901 C2902 C2903	1-126-933-11 1-126-964-11 1-126-964-11	ELECT	100MF 10MF 10MF	20% 20% 20%	16V 50V 50V			<resistor></resistor>			
C2904 C2905	1-163-133-00 1-126-964-11	CERAMIC CHIP ELECT	470PF 10MF	5% 20%	50V 50V	R3201		METAL CHIP	4.7K	0.50%	1/10W
C2906 C2907	1-163-133-00 1-126-964-11	CERAMIC CHIP ELECT	2 470PF 10MF	5% 20%	50V 50V	R3202 R3203 R3204 R3205			100 100 2.7K 1.3K	5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W
		<connector:< td=""><td>></td><td></td><td></td><td>R3206</td><td></td><td>METAL CHIP</td><td>10K</td><td>0.50%</td><td>1/10W</td></connector:<>	>			R3206		METAL CHIP	10K	0.50%	1/10W
		PLUG, CONNEC	CTOR 6P			R3207 R3208	1-216-654-11 1-216-073-00	METAL CHIP RES,CHIP	1.3K 10K	0.50% 5%	1/10W 1/10W
CN2902	* 1-564-519-11	PLUG, CONNEC	CTOR 4P			R3209 R3210	1-216-033-00 1-216-033-00		220 220	5% 5%	1/10W 1/10W
		<diode></diode>				R3211 R3212	1-216-033-00 1-216-033-00		220 220	5% 5%	1/10W 1/10W
D2901 D2902 D2903	8-719-977-22 8-719-977-22	DIODE DTZ9.1 DIODE DTZ9.1 DIODE DTZ9.1					000	<switch></switch>			
D2904 D2905	8-719-977-22	DIODE DTZ9.1 DIODE DTZ9.1				S3201	1-692-431-21	SWITCH, TACT	IL (MENU)	
						\$3202 \$3203 \$3204 \$3205	1-692-431-21 1-692-431-21 1-692-431-21	SWITCH, TACT SWITCH, TACT SWITCH, TACT SWITCH, TACT	IL (MENU IL (MENU IL (ENTER	+) -) .)	(3)



											_	- -	-
REF. NO.	PART NO.	DESCRIPTION		F	REMARK	[]	REF. NO.	PART NO.	DESCRIPTION	_]	REMARK	
S3206	1-571-532-21	SWITCH, TACTI	IL (AUTO I	PROGR)			D1434 D1435		DIODE 1SS133T DIODE 1SS133T				
***	**********	******	************		* * * * * * * * *	**	D1436 D1437		DIODE 1SS133T DIODE 1SS133T				
		· ZR BOARD, M		de sde sde sde sde sde sde s	de sde sde sde sde sde sde	**			<connector></connector>				
		******					DY1431 A	1-451-454-41	DEFLECTION Y				
		<connector></connector>							<coil></coil>				
		PLUG, CONNEC					L1431	1-410-478-11	INDUCTOR 47U	Н			
CN1404	* 1-564-507-11	PLUG, CONNECTO PIN, CONNECTO	TOR 4P	ARD) 4P	•								
		<connector></connector>					Q1431	8 720 044 61	<transistor> TRANSISTOR 25</transistor>		2528ANN	Z)	
DY14012	1-451-454-41	DEFLECTION Y					Q1431 Q1432 Q1433	8-729-044-59	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA1837(LE	52SONY		
			,				Q1434 Q1435		TRANSISTOR 25 TRANSISTOR 25				
R1401	1-249-414-11	<resistor></resistor>	560	5%	1/4W		Q1436 Q1437		TRANSISTOR 25				
R1402 R1403	1-249-414-11	CARBON	560 680	5% 5%	1/4W 3W	F	Q1438		TRANSISTOR 28				
R1415 R1418		METAL OXIDE METAL OXIDE		5% 5%	3W 3W	F F			<resistor></resistor>				
							R1431 R1432	1-249-414-11 1-249-414-11		560 560	5% 5%	1/4W 1/4W	
******	******	******	*****	******	******	**	R1433 R1435	1-249-377-11 1-216-475-11	CARBON METAL OXIDE	0.47 120	5% 5%	1/4W 3W	F F
	* A-1391-079-A	ZG BOARD, M ********					R1436		METAL OXIDE		5%	3W	F
	4-382-854-11	SCREW (M3X10), P, SW (+)			R1437 R1438 R1439	1-249-415-11 1-215-451-00 1-215-451-00	METAL	680 18K 18K	5% 1% 1%	1/4W 1/4W 1/4W	
		<capacitor></capacitor>					R1440 R1442	1-249-415-11 1-247-815-91	CARBON	680 220	5% 5%	1/4W 1/4W	F
C1431 C1432	1-102-508-91 1-126-935-11		10PF 470UF	0.50PF 20%	50V 16V		R1443 R1444	1-249-377-11 1-247-807-31		0.47 100	5% 5%	1/4W 1/4W	F
C1432 C1433 C1434	1-120-933-11 1-107-364-11 1-107-364-11	MYLAR	0.01MF 0.01MF	10% 10%	200V 200V		R1445 R1446	1-247-807-31 1-215-417-00 1-249-401-11	CARBON	680 47	5% 5%	1/4W 1/4W 1/4W	
C1435	1-107-667-11	ELECT	2.2MF	20%	160V		R1447	1-249-401-11	CARBON	47	5%	1/4W	
C1436 C1437 C1438	1-130-471-00 1-130-471-00 1-107-364-11	FILM	0.001MF 0.001MF 0.01MF	5% 5% 10%	50V 50V 200V		R1448 R1449 R1450	1-249-417-11 1-215-389-00 1-249-425-11	METAL	1K 47 4.7K	5% 1% 5%	1/4W 1/4W 1/4W	
C1439 C1440	1-161-830-00 1-104-664-11	CERAMIC	0.0047MF 47MF		500V 25V		R1451 R1452	1-249-423-11 1-249-409-11 1-249-413-11	CARBON	220 470	5% 5%	1/4W 1/4W 1/4W	
C1441	1-137-380-11		0.47MF	5%	50V		R1454	1-260-310-71		33_	5%	1/2W	
C1443 C1444 C1445	1-126-935-11 1-107-648-91 1-126-935-11	ELECT	470MF 100MF 470MF	20% 20% 20%	16V 160V 16V		R1455 R1457 R1458	1-249-383-11 1-249-417-11 1-249-383-11	CARBON	1.5 1K 1.5	5% 5% 5%	1/4W 1/4W 1/4W	F F F
C1445 C1446	1-126-935-11		470MF	20%	16V 16V		R1459	1-249-399-11		33	5%		F
		<connector></connector>					R1460 R1461	1-249-414-11		560	5% 5%	3W 1/4W	F
		PLUG, CONNEC					R1462 R1463 R1465	1-249-414-11 1-249-429-11		560 10K	5% 5% 5%	1/4W 1/4W 3W	F
CN1433	* 1-564-507-11	PLUG, CONNEC PIN, CONNECTO	TOR 4P	ARD) 4P	•		R1468		METAL OXIDE		5%	3W	F
CN1461	* 1-564-506-11	PLÚG, CONNEC	TOR 3P	,									
CN1463	* 1-564-505-31	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR 2P				*******	******	*******	******	*****	*****	**
C111404	1-304-307-11	1200, CONNEC	1 OK 41				:	* A-1390-891-A	S BOARD, MO				
D1421	0.710.024.11	<diode></diode>	77.00						CADA CITOR				
D1431 D1432 D1433	8-719-924-11	DIODE MTZJ-T- DIODE MTZJ-T- DIODE 1SS133T	77-22				C2201	1-104-664-11	<capacitor></capacitor>	47MF	20%	16V	
D1433	0-117-771-33	ונכונפו מעטוע	- , ,			1	C2201	1-104-004-11	LLECI	7 / IVII	2070	10 V	

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REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION]	REMARK
C2224	1-126-933-11		100MF	20%	16V						
C2227 C2228 C2229	1-126-959-11	CERAMIC CHIP ELECT CERAMIC CHIP	0.47MF	5% 20% 10%	50V 50V 50V	R2224 R2225 R2226	1-216-085-00 1-216-085-00 1-216-295-00	RES,CHIP SHORT	33K 33K 0	5% 5%	1/10W 1/10W
C2230 C2231		CERAMIC CHIP CERAMIC CHIP		10%	25V 50V	R2227 R2228	1-216-049-00 1-216-089-00	,	1K 47K	5% 5%	1/10W 1/10W
C2232 C2233	1-164-222-11	CERAMIC CHIP CERAMIC CHIP	0.22MF	1070	25V 25V	R2230 R2231	1-216-075-00 1-216-099-00		12K 120K	5% 5%	1/10W 1/10W
C2234	1-126-960-11		1MF	20%	50V	R2232 R2233	1-216-097-00 1-216-097-00 1-216-089-00	RES,CHIP	100K 47K	5% 5%	1/10W 1/10W
C2235 C2236	1-126-960-11 1-163-129-00	ELECT CERAMIC CHIP	1MF 330PF	20% 5%	50V 50V	R2234	1-216-081-00		22K	5%	1/10W
C2251 C2252	1-126-960-11 1-126-960-11		1MF 1MF	20% 20%	50V 50V	R2235 R2236	1-216-097-00 1-216-081-00		100K 22K	5% 5%	1/10W 1/10W
C2253	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	R2237 R2238	1-216-053-00 1-216-081-00		1.5K 22K	5% 5%	1/10W 1/10W
C2254 C2255	1-126-964-11		10MF	10% 20%	25V 50V	R2239	1-216-081-00		22K	5%	1/10W
C2256 C2257	1-163-038-00 1-126-933-11	CERAMIC CHIP ELECT	0.1MF 100MF	20%	25V 16V	R2240 R2241	1-216-081-00 1-216-081-00		22K 22K	5% 5%	1/10W 1/10W
C2258	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	R2242 R2243	1-216-081-00 1-216-081-00		22K 22K	5% 5%	1/10W 1/10W
C2259 C2260	1-163-989-11 1-126-960-11	CERAMIC CHIP ELECT	0.033MF 1MF	10% 20%	25V 50V	R2244	1-216-081-00		22K	5%	1/10 W
C2261 C2262	1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF	2070	25V 25V	R2245 R2246	1-216-073-00 1-216-079-00		10K 18K	5% 5%	1/10W 1/10W
C2263		CERAMIC CHIP			25V	R2247	1-216-073-00	RES,CHIP	10K	5%	1/10W
C2264	1-126-960-11	ELECT	1MF	20%	50V	R2248 R2249	1-216-079-00 1-216-073-00	RES,CHIP RES,CHIP	18K 10K	5% 5%	1/10W 1/10W
		CONNECTOR				R2250	1-216-073-00		10K	5%	1/10W
		<connector></connector>				R2251 R2252	1-216-073-00 1-216-073-00	RES,CHIP	10K 10K	5% 5%	1/10W 1/10W
CN2201	* 1-770-748-11	CONNECTOR, B	OARD TO	BOARI) 12P	R2253 R2254	1-216-065-00 1-216-063-91		4.7K 3.9K	5% 5%	1/10W 1/10W
		<ic></ic>				R2255 R2256	1-216-097-00 1-216-097-00		100K 100K	5% 5%	1/10W 1/10W
IC2201		IC CXA1315M				R2257	1-216-081-00	RES,CHIP	22K	5%	1/10W
IC2202 IC2203		IC MC14052BF IC uPC4558G2				R2258 R2259	1-216-089-00 1-216-099-00		47K 120K	5% 5%	1/10W 1/10W
IC2204 IC2205		IC uPC4558G2 IC uPC4558G2				R2260	1-216-089-00		47K	5%	1/10W
IC2206	8-759-100-96	IC uPC4558G2				R2261 R2262	1-216-077-00 1-216-085-00		15K 33K	5% 5%	1/10W 1/10W
IC2207 IC2208		IC uPC4558G2 IC NJM2150D				R2263 R2264	1-216-085-00 1-216-083-00		33K 27K	5% 5%	1/10W 1/10W
IC2211	8-759-009-06	IC MC14052BF				R2265	1-216-085-00		33K	5%	1/10W
		<transistor></transistor>				R2266 R2267	1-216-295-00 1-216-049-00	RES,CHIP	0 1K	5%	1/10W
Q4	1-801-806-11	TRANSISTOR D	TC144EKA	-T146		R2268 R2269	1-216-085-00 1-216-071-00		33K 8.2K	5% 5%	1/10W 1/10W
		<resistor></resistor>				R2270 R2271	1-216-085-00 1-216-071-00		33K 8.2K	5% 5%	1/10W 1/10W
R2201	1-216-073-00		10K	5%	1/10W	R2272 R2274	1-216-085-00 1-216-049-00		33K 1K	5% 5%	1/10W 1/10W
R2202 R2203	1-216-073-00 1-216-073-00		10K 10K	5% 5%	1/10W 1/10W	R2275	1-216-049-00		1K	5%	1/10 W
R2204	1-216-025-00 1-216-025-00	RES,CHIP	100 100	5% 5%	1/10W 1/10W	R2276 R2277	1-216-049-00 1-216-073-00		1K 10K	5% 5%	1/10W 1/10W
R2205 R2206	1-216-023-00		100 10K	5%	1/10W	R2281 R2283	1-216-073-00 1-216-049-00 1-216-295-00	RES,CHIP	1K 0	5%	1/10W 1/10W
R2207	1-216-049-00	RES,CHIP	1K	5%	1/10W	R2284	1-216-293-00		10K	5%	1/10W
R2208 R2209	1-216-061-00 1-216-081-00	RES,CHIP	3.3K 22K	5% 5%	1/10W 1/10W						
R2210	1-216-081-00		22K	5%	1/10W	! ! ! !					
R2211 R2212	1-216-065-00 1-216-065-00	RES,CHIP	4.7K 4.7K	5% 5%	1/10W 1/10W						
R2213 R2214	1-216-081-00 1-216-081-00		22K 22K	5% 5%	1/10W 1/10W						
R2216	1-216-073-00		10K	5%	1/10W						
R2217 R2218	1-216-073-00 1-216-083-00	RES,CHIP	10K 27K	5% 5%	1/10W 1/10W						
R2219 R2222	1-216-049-00 1-216-081-00		1K 22K	5% 5%	1/10W 1/10W						
R2223	1-216-083-00		27K	5%	1/10W	İ					

specified. DESCRIPTION REMARK REF. NO. PART NO. DESCRIPTION REMARK REF. NO. PART NO.

****************** MISCELLANEOUS

△ 1-223-925-11	RESISTOR ASSY (FOCUS PACK)	
1 251 272 21	DOOCTED DE	

1-451-454-61 DEFLECTION YOKE (B)

1-452-909-31 MAGNET ASSY, 4 POLE

1-505-426-21 SPEAKER (10.6 CM) (41 inch)

1-528-864-11 BATTERY, SOLAR 1-529-404-11 SPEAKER (5CM) (48 inch)

1-529-405-11 SPEAKER (16CM) (48 inch) * 1-555-400-00 CABLE, PIN

△ 1-574-062-61 CORD, POWER (WITH CONNECTOR)

2.5A/250V (GE/ME MODEL)

△ 1-574-358-51 CORD, POWER (WITH CONNECTOR) (AUS MODEL)

△ 8-598-955-12 BLOCK ASSY, HIGH-VOLTAGE

△ 8-733-570-15 PICTURE TUBE 07MXC2(G)(HEATER)

(48 inch) ⚠ 8-733-572-15 PICTURE TUBE 07MXC3(R)(HEATER)

(48 inch)

⚠ 8-733-575-15 PICTURE TUBE 07MAC3(B)(DIAPHRAGM)

△ A-1501-775-A PICTURE TUBE MECHASEAL ASSY (48 inch)

(R), SLIM (41 inch) ⚠ A-1501-776-A PICTURE TUBE MECHASEAL ASSY

(G), SLIM (41 inch)

⚠ A-1501-777-A PICTURE TUBE MECHASEAL ASSY

(B), SLIM (41 inch)

ACCESSORIES AND PACKING MATERIALS

△ 1-569-008-21 ADAPTOR, CONVERSION 2P

(GE/ME MODEL)

3-861-923-81 MANUAL, INSTRUCTION

(ENGLISH, FRENCH)

*4-029-168-01 BAG, PROTECTION (41 inch)

*4-030-895-01 JOINT

*4-041-423-11 SHEET, PROTECTION

* 4-060-976-01 BAG, PROTECTION (48 inch)

* 4-065-646-01 CUSHION (UPPER) (ASSY) (41 inch)

*4-065-647-01 CUSHION (LOWER) (ASSY) (41 inch)

* 4-065-652-02 BOARD, TOP (41 inch)

* 4-065-730-01 TRAY (41 inch)

* 4-069-898-01 INDIVIDUAL CARTON (48 inch)

*4-069-899-01 TRAY (48 inch)

*4-069-900-01 BOARD, TOP (48 inch)

*4-069-901-01 BOARD, BOTTOM (48 inch)

*4-070-211-01 INDIVIDUAL CARTON (41 inch)

* 4-076-804-01 CUSHION (UPPER) (ASSY) (48 inch)

*4-079-385-01 CUSHION (LOWER) (ASSY) (48 inch)

REMOTE COMMANDER

1-473-978-21 REMOTE COMMANDER (RM-871) 4-978-977-01 COVER, BATTERY (FOR RM-871)